



January 29, 2002

State of Utah  
Division of Oil, Gas & Mining  
Attn: Brad Hill  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 5-14-9-16, 6-14-9-16, and 7-14-9-16.

Dear Brad:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Permit Clerk

mc  
enclosures

**RECEIVED**

JAN 31 2002

**DIVISION OF  
OIL, GAS AND MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

001  
**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐  
1b. TYPE OF WELL  
**OIL** ☐ **GAS** ☐ **SINGLE** ☐ **MULTIPLE** ☐  
**WELL** ☒ **WELL** ☐ **OTHER** ☐ **ZONE** ☒ **ZONE** ☐

2. NAME OF OPERATOR  
**Inland Production Company**

3. ADDRESS OF OPERATOR  
**Route #3 Box 3630, Myton, UT 84052** Phone: (435) 646-3721

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At Surface **SE/NW** **1882' FNL 1923' FWL**  
At proposed Prod. Zone

4431602 N  
577-775 E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

**Approximately 20.4 miles south of Myton, Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY  
OR LEASE LINE, FT. (Also to

**Approx. 1923' f/lse line & 3357' f/unit line**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL,  
DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

**Approx. 1410'**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

**5592.6' GR**

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

5. LEASE DESIGNATION AND SERIAL NO.

**U-096547**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**N/A**

7. UNIT AGREEMENT NAME

**Jonah**

8. FARM OR LEASE NAME WELL NO

**6-14-9-16**

9. API WELL NO.

**43-013-32337**

10. FIELD AND POOL OR WILDCAT

**Monument Butte**

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

**SE/NW**

**Sec. 14, T9S, R16E**

12. County

**Duchesne**

13. STATE

**UT**

17. NO. OF ACRES ASSIGNED TO THIS WELL

**40**

16. NO. OF ACRES IN LEASE

**600.00**

20. ROTARY OR CABLE TOOLS

**Rotary**

19. PROPOSED DEPTH

**6500'**

22. APPROX. DATE WORK WILL START\*

**1st Quarter 2002**

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

**Federal Approval of this  
Action is Necessary**

**RECEIVED**

**JAN 31 2002**

**DIVISION OF  
OIL, GAS AND MINING**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.  
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Markie Cozies*

TITLE

**Permit Clerk**

DATE

**1/29/02**

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

*Bradley G. Hill*

TITLE

**BRADLEY G. HILL  
RECLAMATION SPECIALIST III**

DATE

**02-14-02**

**\*See Instructions On Reverse Side**

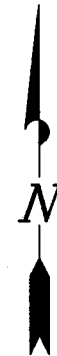
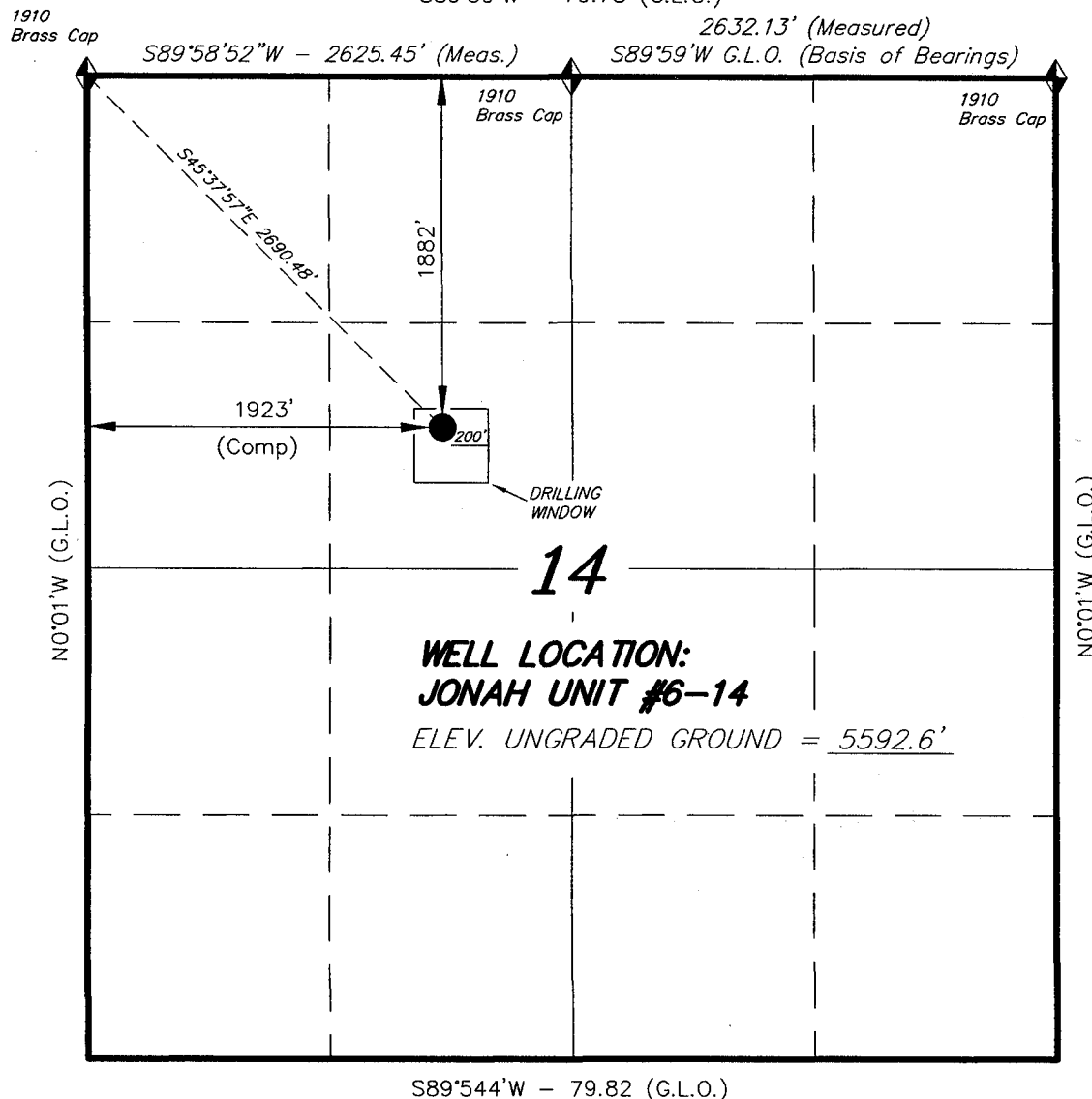
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**T9S, R16E, S.L.B.&M.**

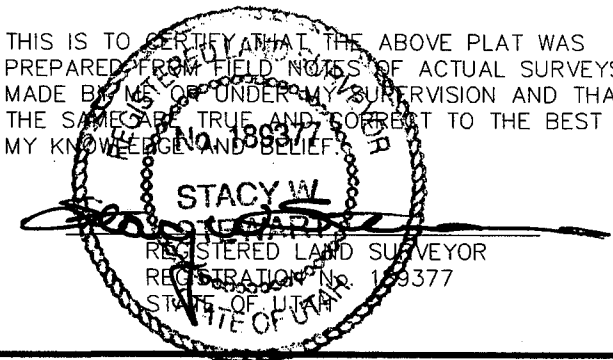
S89°59'W - 79.78 (G.L.O.)

**INLAND PRODUCTION COMPANY**

WELL LOCATION, JONAH UNIT #6-14,  
LOCATED AS SHOWN IN THE SE 1/4 NW  
1/4 OF SECTION 14, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(435) 781-2501



= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

SCALE: 1" = 1000'

SURVEYED BY: D.J.S.

DATE: 11-23-01

DRAWN BY: J.R.S.

NOTES:

FILE #

INLAND PRODUCTION COMPANY  
JONAH #6-14-9-16  
SE/NW SECTION 14, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

**DRILLING PROGRAM**

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' - 1640'
Green River	1640'
Wasatch	6500'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1640' - 6500' - Oil

4. **PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.



**INLAND PRODUCTION COMPANY  
JONAH #6-14-9-16  
SE/NW SECTION 14, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Jonah #6-14-9-16 located in the SE 1/4 NW 1/4 Section 14, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southerly along Hwy 53 - 1.7 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 9.2 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly and then southwesterly - 7.0 miles  $\pm$  to it's junction with an existing road to the east; proceed northeasterly - 0.9 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed southerly along the proposed access road - 855'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Paleontological Resource Survey and Archaeological Resource Survey for this area are attached.

Inland Production Company requests a 60' ROW for the Jonah #6-14-9-16 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. Refer to Topographic Map "C."

**Water Disposal**

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Mandie Crozier  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #6-14-9-16 SE/NW Section 14, Township 9S, Range 16E: Lease U-096547 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1/29/02

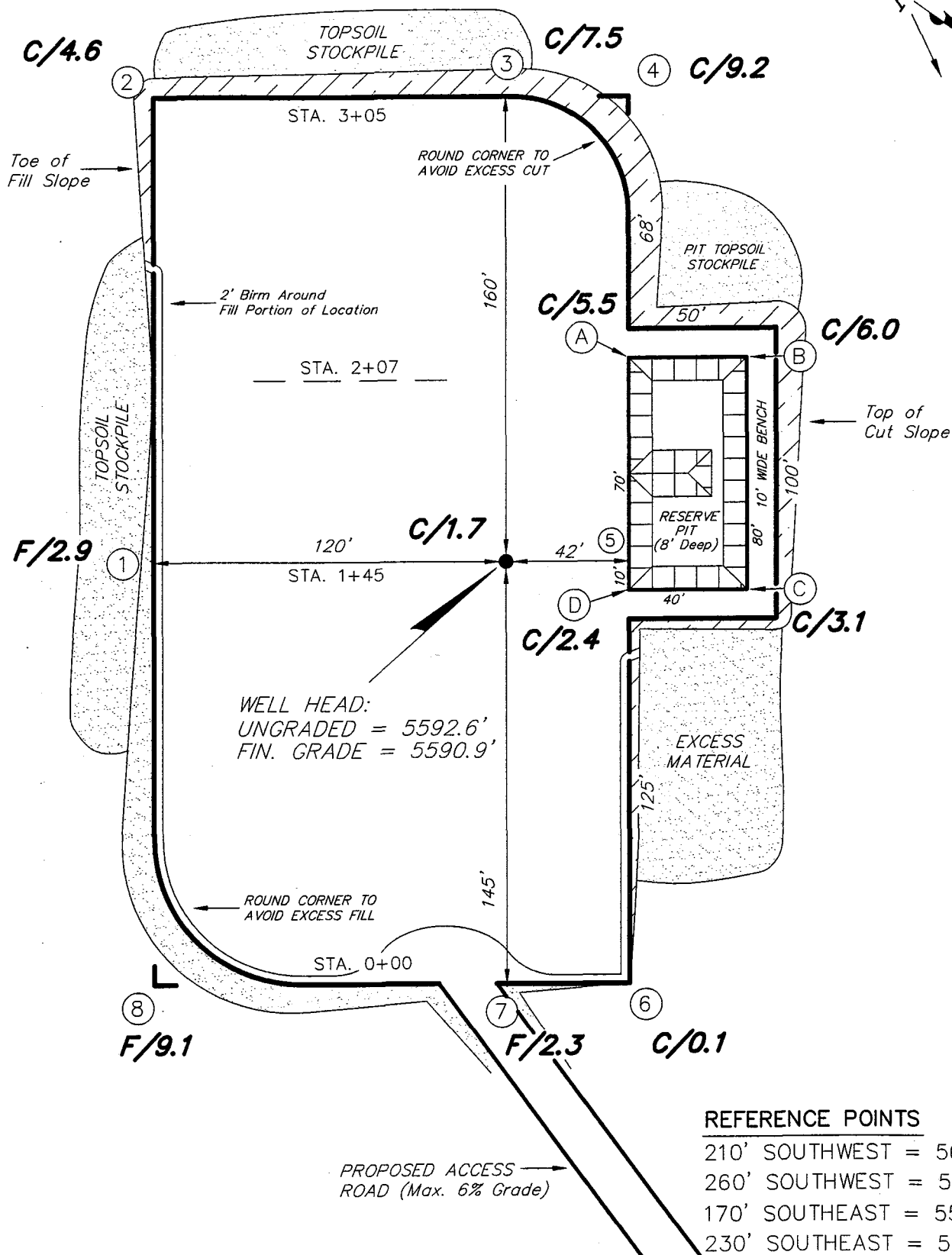
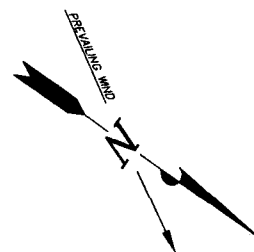
Date

Mandie Crozier  
Mandie Crozier  
Permit Clerk

# INLAND PRODUCTION COMPANY

JONAH UNIT #6-14

SECTION 14, T9S, R16E, S.L.B.&M.



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

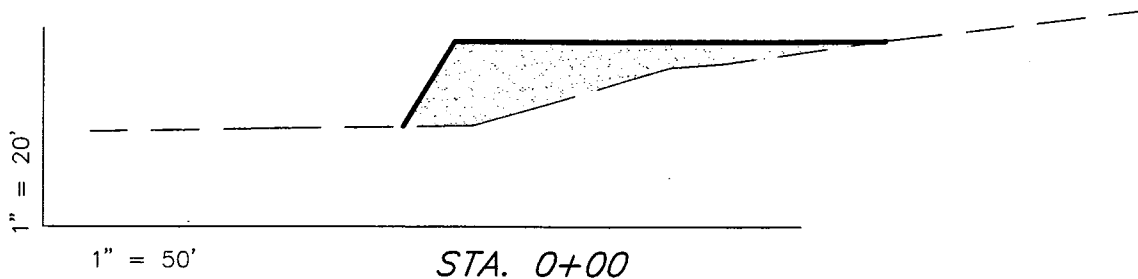
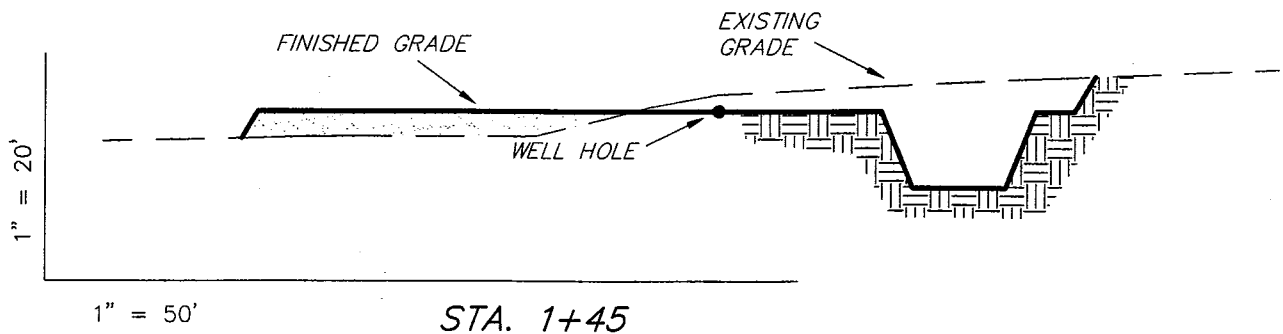
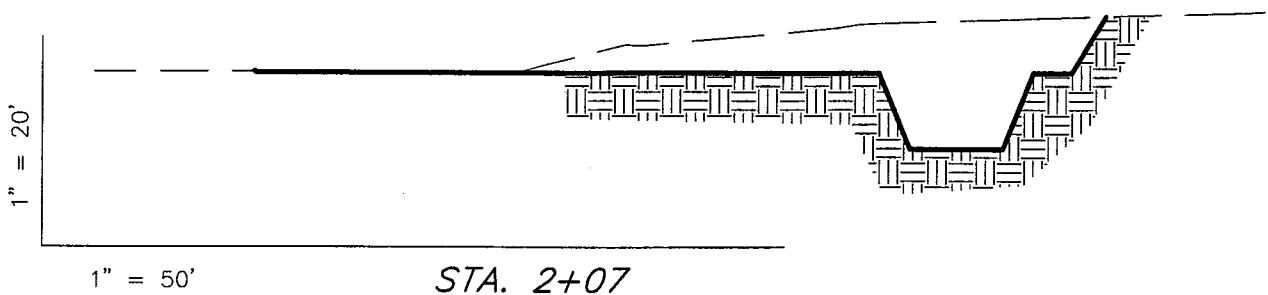
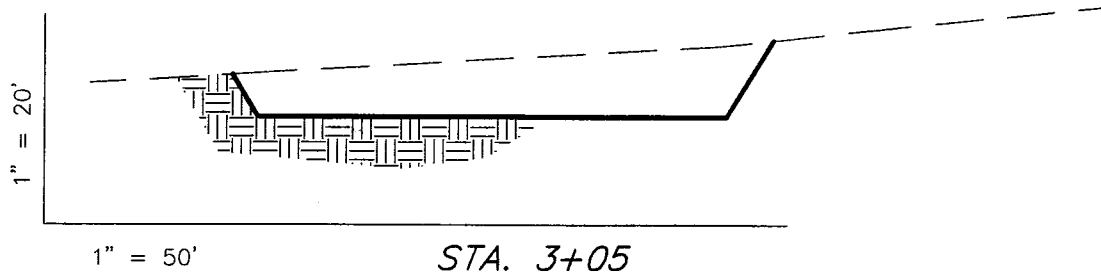
DATE: 11-23-01

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

**INLAND PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**JONAH UNIT #6-14**



NOTE:  
 UNLESS OTHERWISE NOTED  
 ALL CUT/FILL SLOPES ARE  
 AT 1.5:1.

**ESTIMATED EARTHWORK QUANTITIES**  
 (Expressed in Cubic Yards)

ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	3,580	3,580	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	4,220	3,580	1,010	640

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

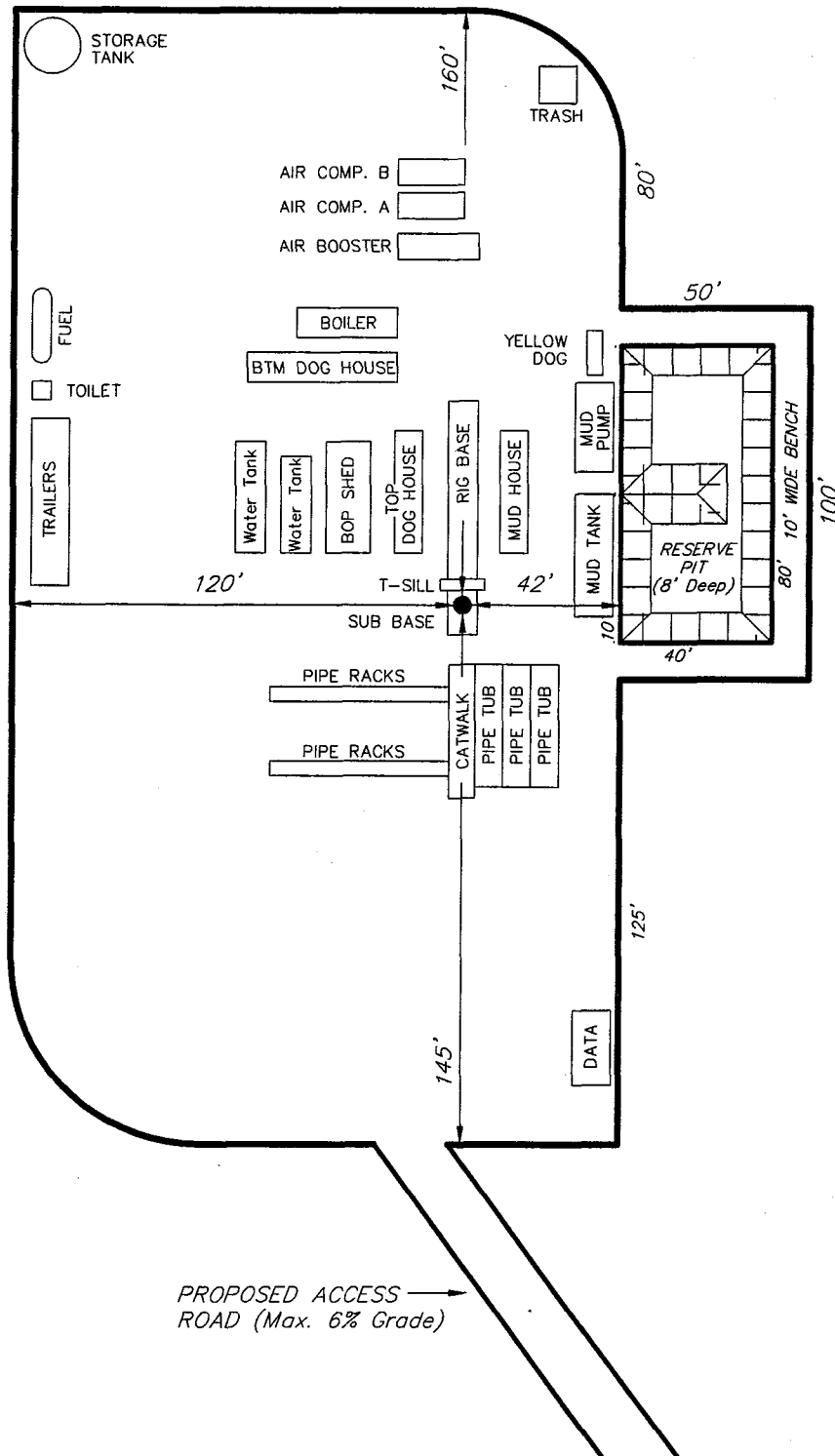
DATE: 11-23-01

**Tri State**  
 Land Surveying, Inc.  
 38 WEST 100 NORTH VERNAL, UTAH 84078  
 (435) 781-2501

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### JONAH UNIT #6-14



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

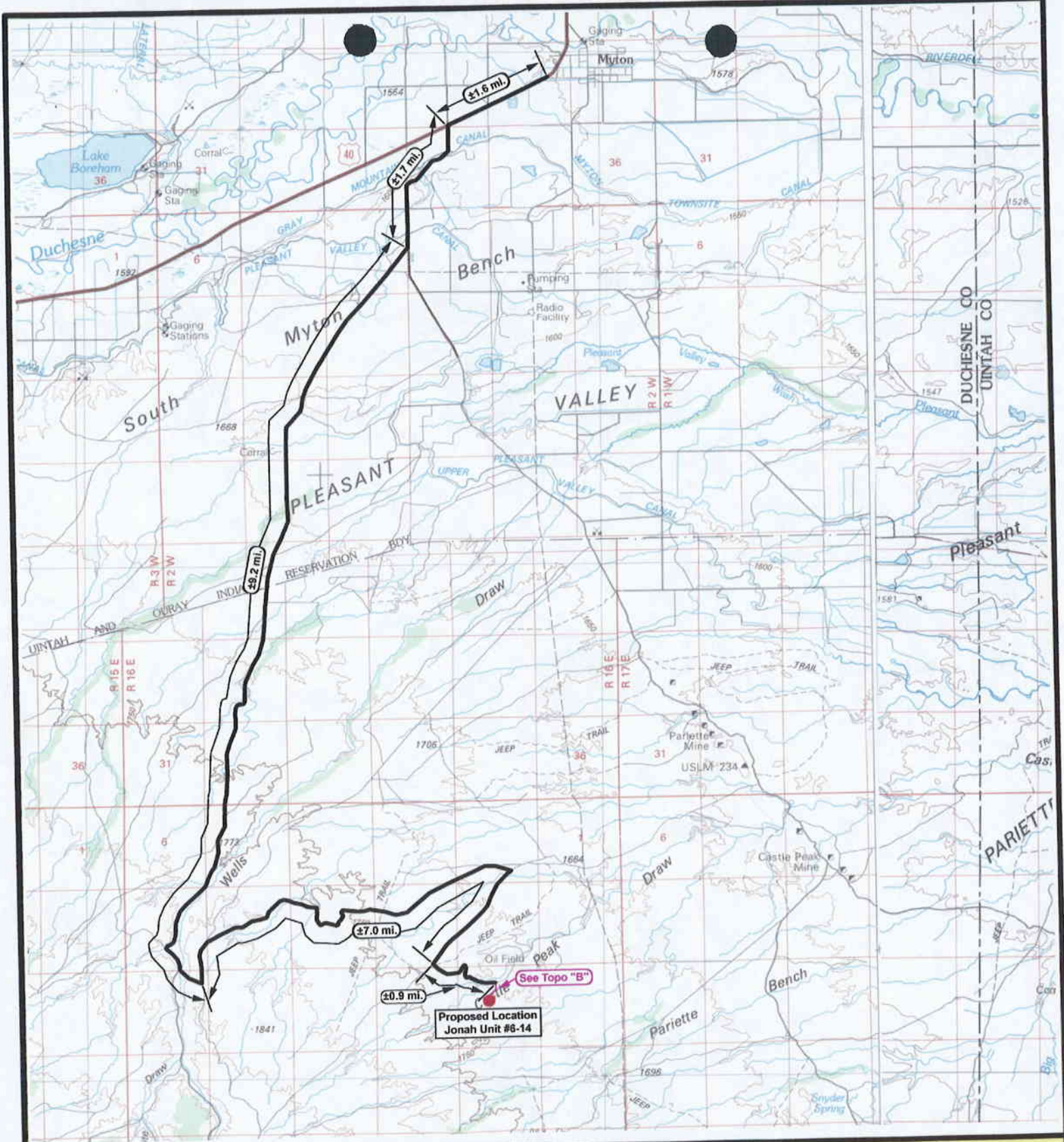
DRAWN BY: J.R.S.

DATE: 11-23-01

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



**Jonah Unit #6-14**  
**SEC. 14, T9S, R16E, S.L.B.&M.**



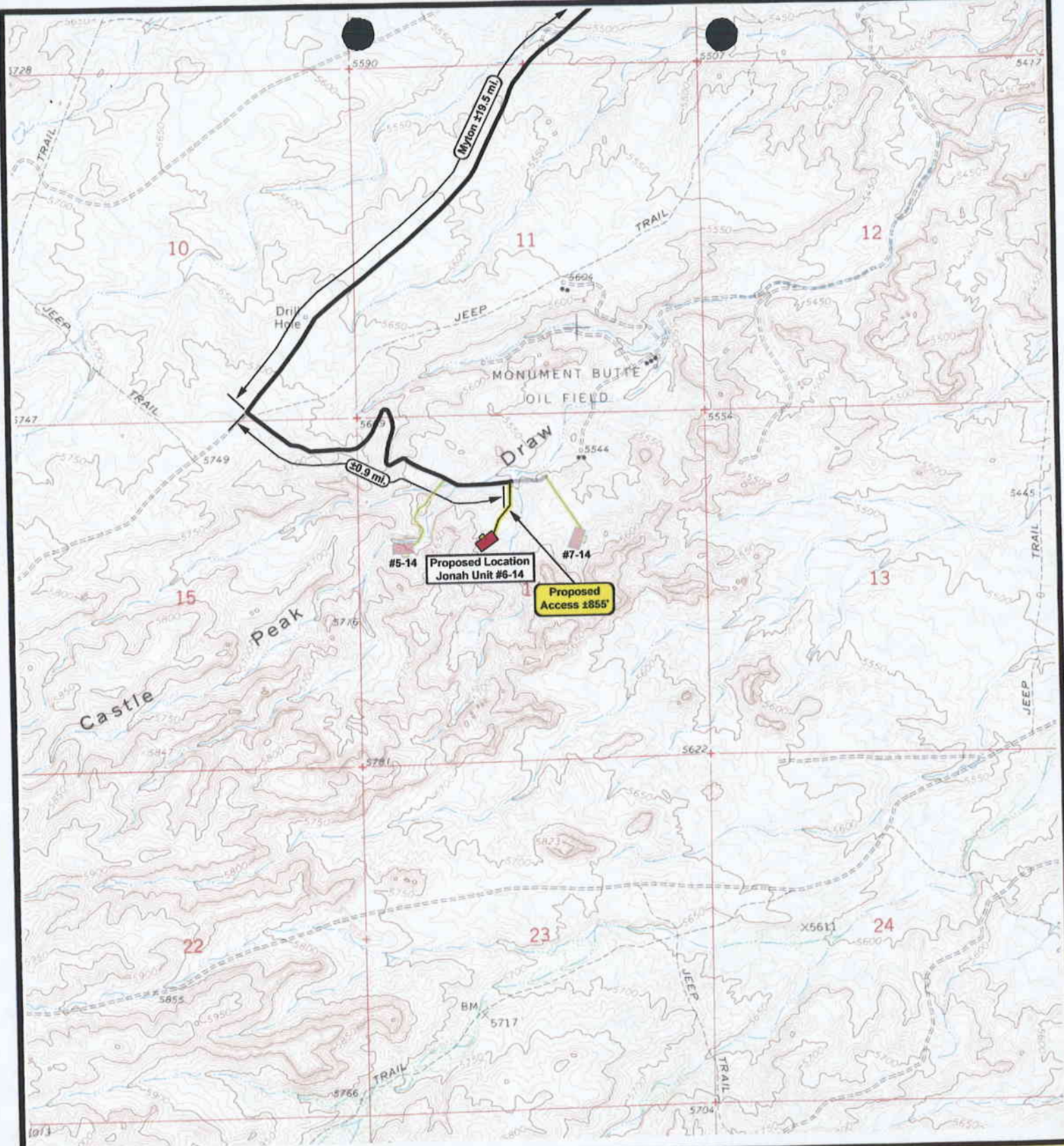
**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

SCALE: 1" = 100,000'  
 DRAWN BY: D.J.  
 DATE: 11-27-2001

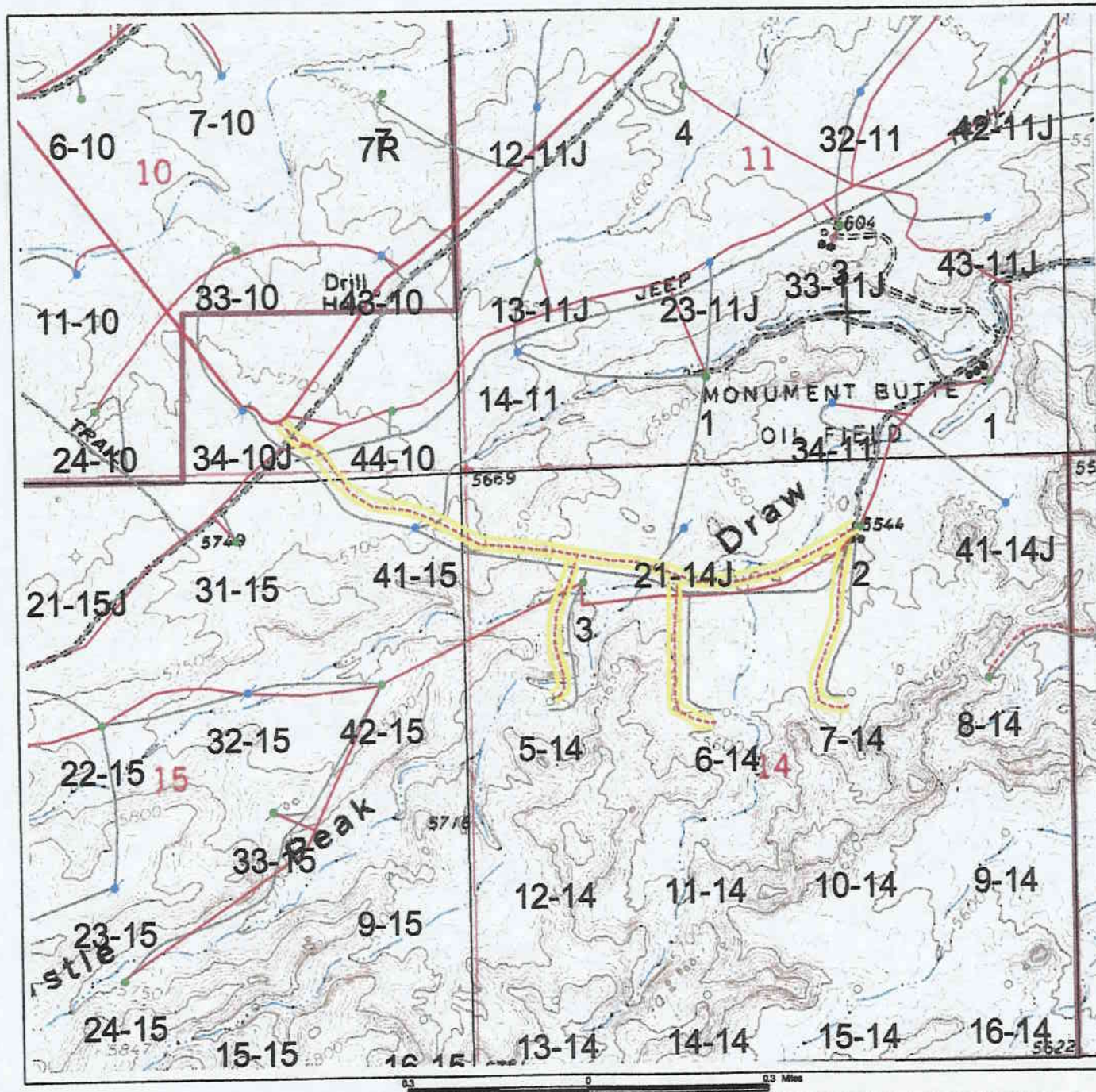
**Legend**  
 — Existing Road  
 — Proposed Access

**TOPOGRAPHIC MAP**  
**"A"**









- Water Taps
- Gas Pipelines
  - 10"
  - 6"
  - 6" proposed
  - 4"
  - 4" proposed
- Roads (Digitized)
  - Paved
  - Dirt
  - Proposed
  - Two Track
  - Private
- Johnson Water Line
- Unit Sections
  - Existing Units
  - Proposed Units



410 17th Street Suite 700  
 Denver, Colorado 80202  
 Phone: (303) 495-0102

### Gas Pipeline Map

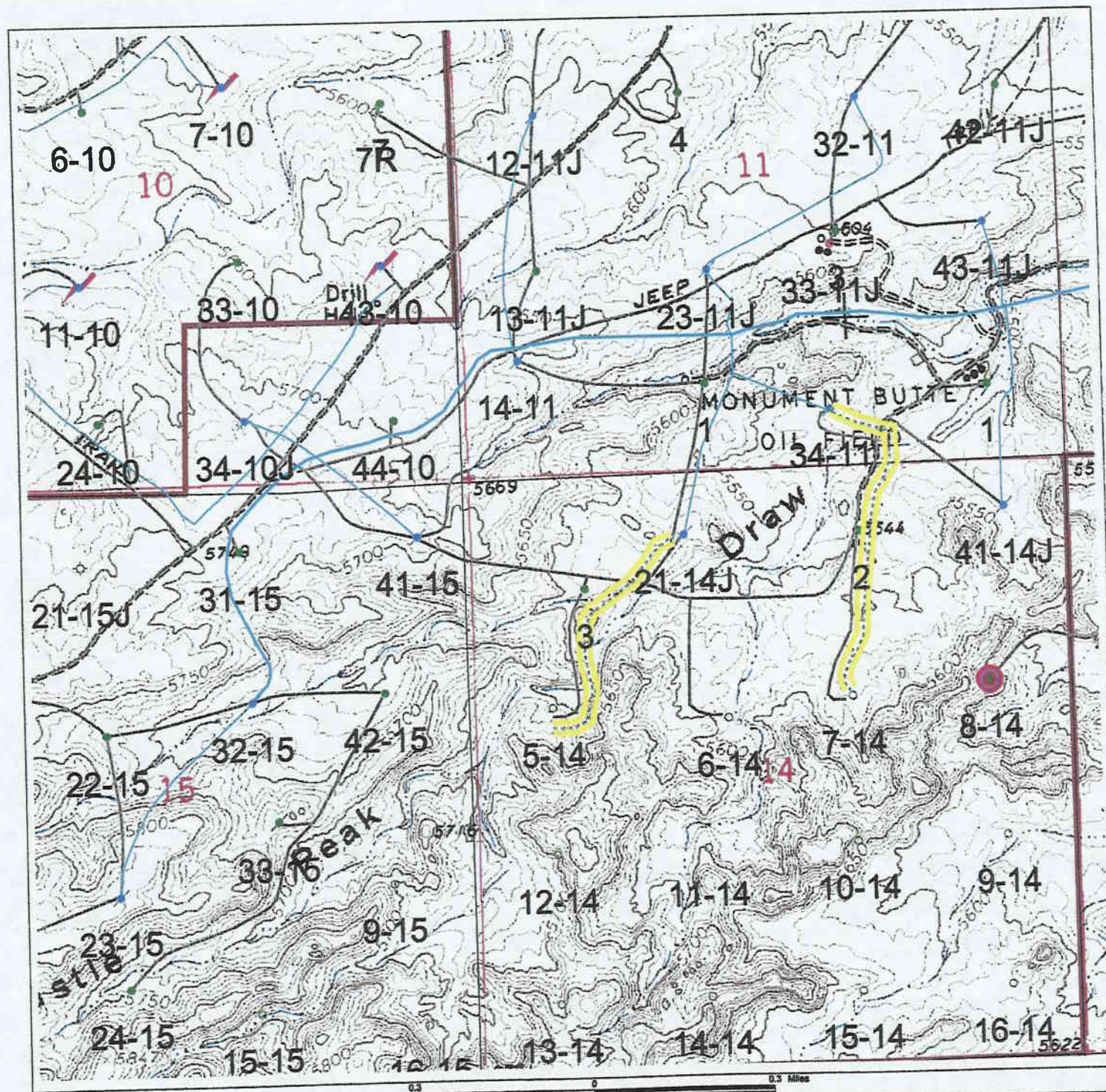
UINTA BASIN, UTAH

Duchesne & Uintah Counties, Utah

E.C. Chapin

January 11, 2002





- Water Taps
- 2001 Injection Conversion Program
- Pending Waterline ROW
- Approved Waterline ROW
- Water Injection Permit Pending
- Approved Water Injection Permit
- Water 6 Inch
- Water 4 Inch
- Water 4 Inch - High Pressure
- Water 4 Inch Poly
- Water 2 to 3 Inch
- Proposed Water
- Injection Stations
- Pump Stations
- Roads (Digitized)
- Paved
- Dirt
- Proposed
- Two Track
- Private
- Johnson Water Line
- Unit Sections
- Existing Units
- Proposed Units



410 17<sup>th</sup> Street, Suite 700  
 Denver, Colorado 80202  
 Phone: (303)-493-0102

## Water Pipeline Map

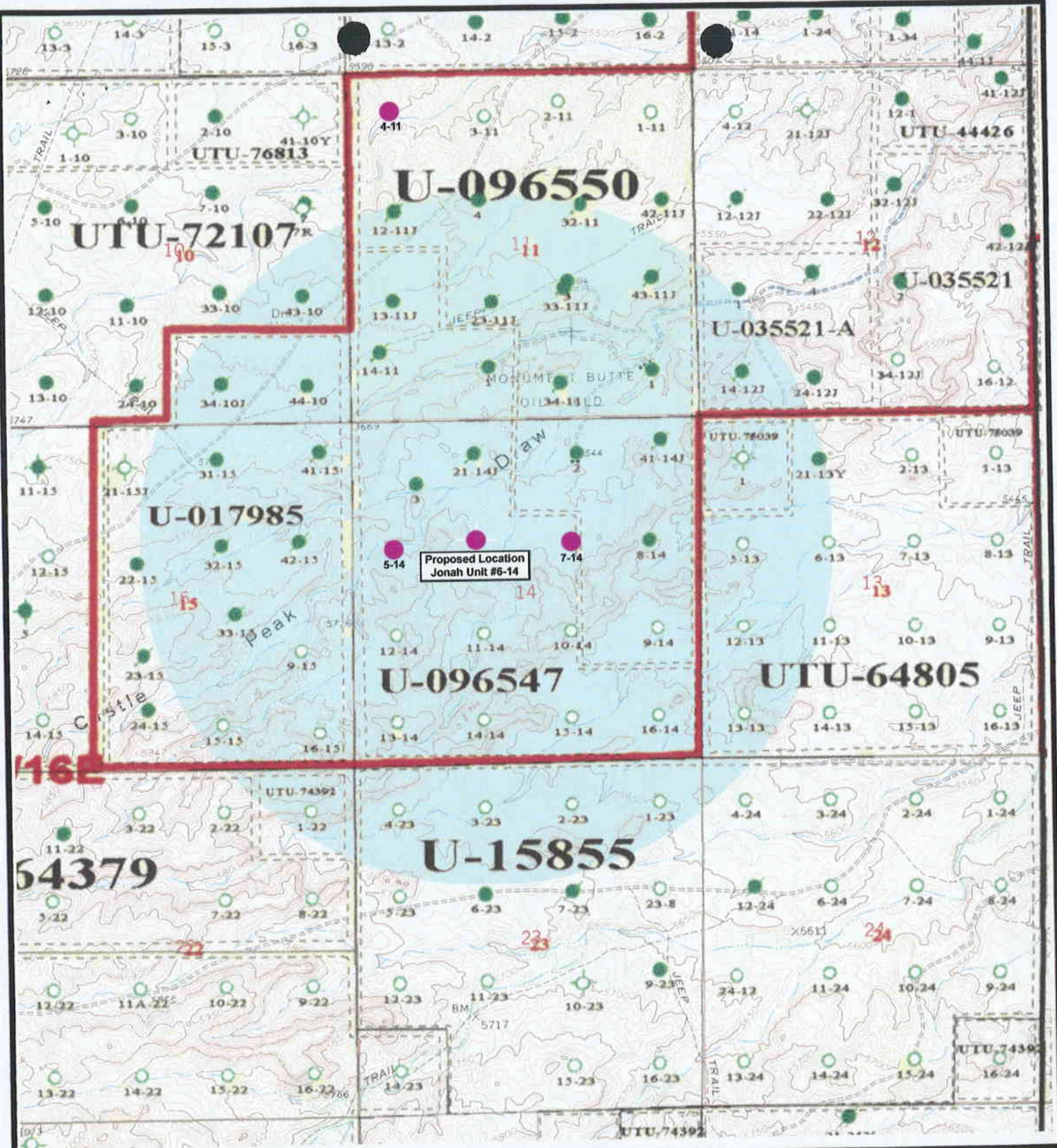
UINTA BASIN, UTAH

Duchesne & Uintah Counties, Utah

B.C. Chapin

January 11, 2002





**Jonah Unit #6-14**  
**SEC. 14, T9S, R16E, S.L.B.&M.**



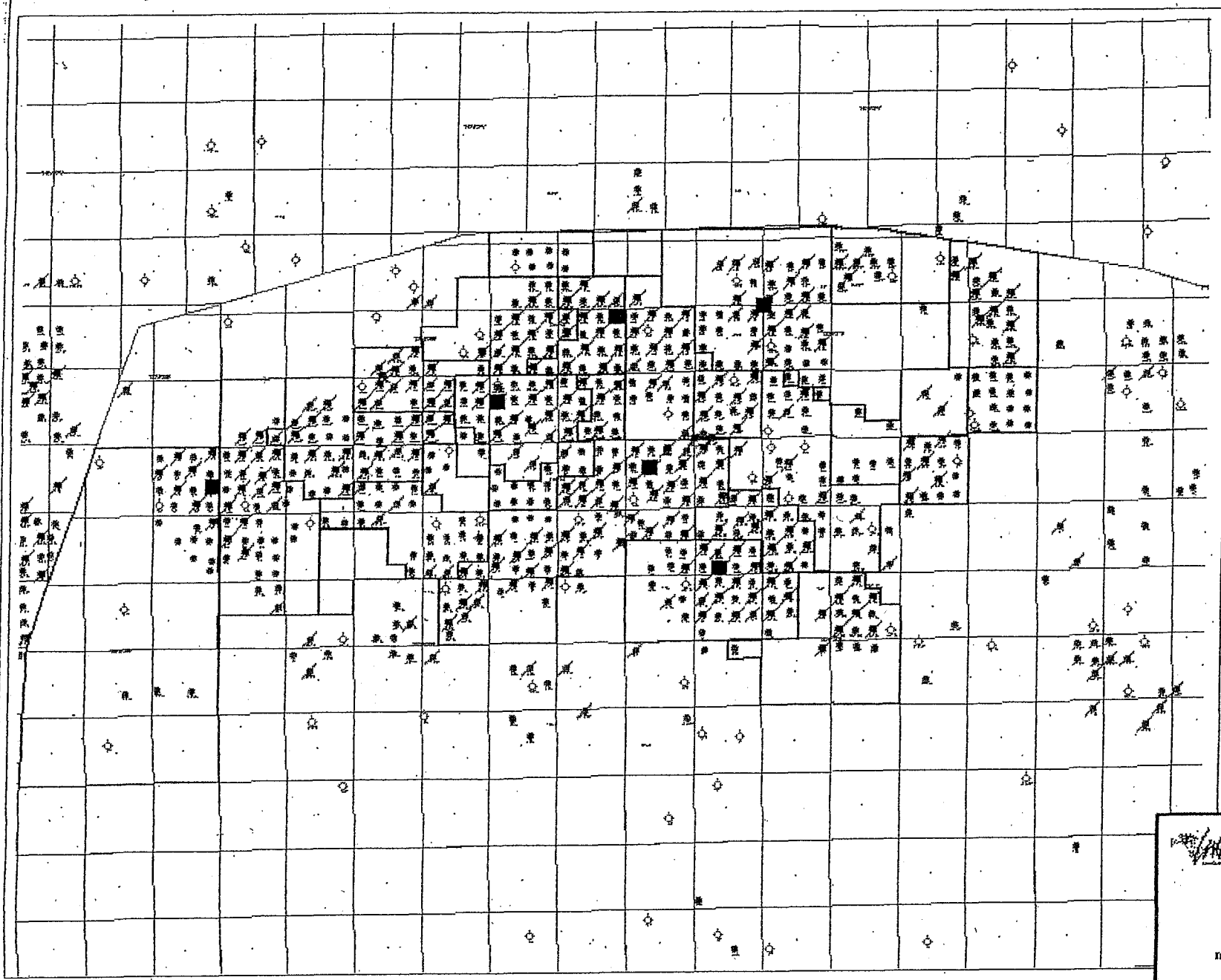
**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'  
 DRAWN BY: D.J.  
 DATE: 11-27-2001

**Legend**

- Proposed Locations
- One Mile Radius

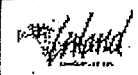
**Exhibit**  
**"B"**



- Hacking Stations  
 Well Categories  
 ↗ INJ  
 ★ OIL  
 ◇ DRY  
 ↗ SHUTIN  
 □ Wells



Exhibit "A"



130 17th Street, Suite 200  
 Denver, Colorado 80202  
 Phone: (303) 555-1022

Ulna Basin  
 Ulna Basin, LLC  
 Petroleum & Chemical Services, Inc.

Scale 1:50,000

U. J. Cooper

RAM TYPE B.O.P.

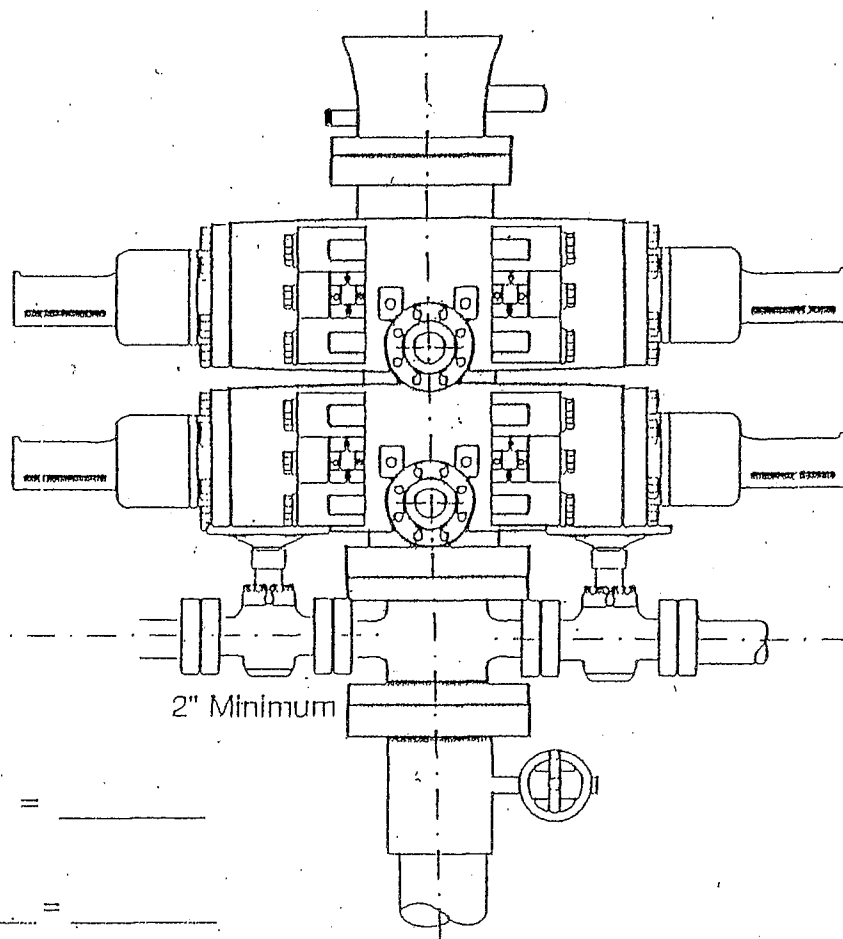
Make:

Size:

Model:

## 2-M SYSTEM

EXHIBIT "C"



2" Minimum

2" Minimum

2" Minimum

2" Minimum

GAL TO CLOSE

Annular BOP = \_\_\_\_\_

Ramtype BOP

\_\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_

= \_\_\_\_\_ Gal.

\_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.

Rounding off to the next higher  
increment of 10 gal. would require  
\_\_\_\_\_ Gal. (total fluid & nitro volume)

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/31/2002

API NO. ASSIGNED: 43-013-32337

WELL NAME: JONAH 6-14-9-16

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENW 14 090S 160E

SURFACE: 1882 FNL 1923 FWL

BOTTOM: 1882 FNL 1923 FWL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-096547

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. MUNICIPAL )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)

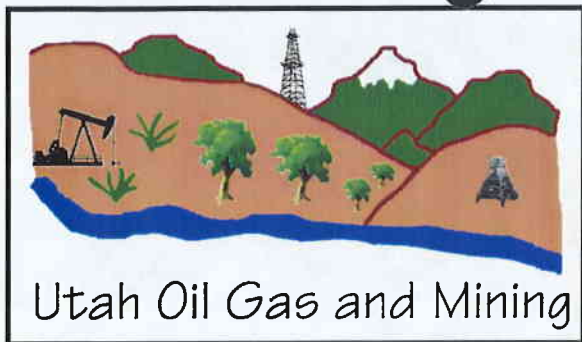
LOCATION AND SITING:

☐ R649-2-3. Unit JONAH  
☐ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
☐ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 228-2  
Eff Date: 7-16-93  
Siting: \* Per Unit agreement.  
☐ R649-3-11. Directional Drill

COMMENTS: Mon. Butte Field Sol, separate file.

STIPULATIONS: 1-Fed. Approval





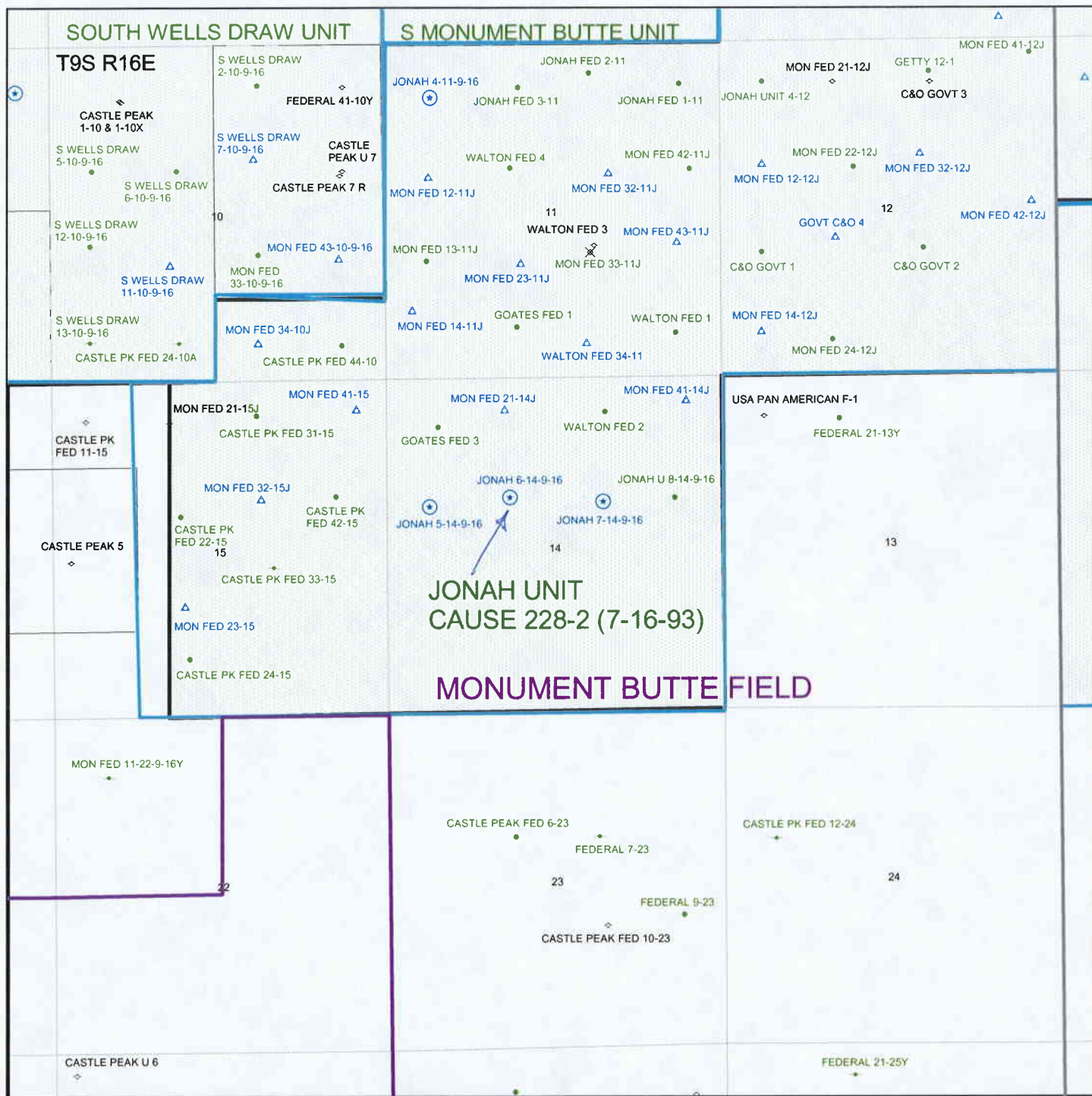
OPERATOR: INLAND PROD CO (N5160)

SEC. 14, T9S, R16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE UNIT: JONAH

CAUSE: 228-2



**United States Department of the Interior****BUREAU OF LAND MANAGEMENT**

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3180  
(UT-922)

February 13, 2002

**Memorandum**

**To:** Assistant District Manager Minerals, Vernal District  
**From:** Michael Coulthard, Petroleum Engineer  
**Subject:** 2002 Plan of Development Jonah Unit Duchesne County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2002 within the Jonah Unit, Duchesne County, Utah.

(Proposed PZ Green River)

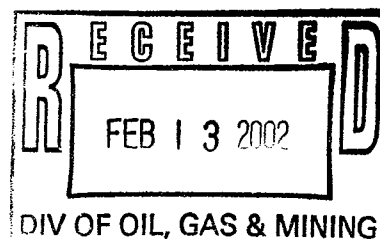
43-013-32336 Jonah 5-14-9-16 Sec. 14, T9S, R16E 2028 FNL 0659 FWL  
43-013-32337 Jonah 6-14-9-16 Sec. 14, T9S, R16E 1882 FNL 1923 FWL  
43-013-32338 Jonah 7-14-9-16 Sec. 14, T9S, R16E 1944 FNL 1892 FEL

This is office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Jonah  
Division of Oil Gas and Mining  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:2-13-02



003



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

February 14, 2002

Inland Production Company  
Route 3 Box 3630  
Myton UT 84052

Re: Jonah 6-14-9-16 Well, 1882' FNL, 1923' FWL, SE NW, Sec. 14, T. 9 South, R. 16 East,  
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32337.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

John R. Baza  
Associate Director

er

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office



**Operator:** Inland Production Company  
**Well Name & Number** Jonah 6-14-9-16  
**API Number:** 43-013-32337  
**Lease:** U-096547

**Location:** SE NW      **Sec.** 14      **T.** 9 South      **R.** 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

00A

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐

1b. TYPE OF WELL

OIL GAS SINGLE MULTIPLE  
WELL ☒ WELL ☐ OTHER ☐ ZONE ☒ ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

Route #3 Box 3630, Myton, UT 84052

Phone: (435) 646-3721

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At Surface SE/NW 1882' FNL 1923' FWL

At proposed Prod. Zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 20.4 miles south of Myton, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY  
OR LEASE LINE, FT. (Also to

Approx. 1923' f/lse line &amp; 3357' f/unit line

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL,  
DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

Approx. 1410'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5592.6' GR

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.

If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Marshall Cozies TITLE Permit Clerk DATE 1/29/02

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Howard R. Cleaving TITLE Assistant Field Manager  
Mineral Resources DATE 05/10/2002

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

MAY 16 2002

DIVISION OF  
OIL, GAS AND MINING

DCOMA

APD POSTED 01/31/02

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Inland Production Company.

Well Name & Number: Jonah 6-14-9-16

Lease Number: U-096547

API Number: 43-013-32337

Location: SENW Sec. 14 T.9S R. 16E

Agreement: Jonah Unit

**For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.**

---

### **CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease that would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

### **SURFACE USE PROGRAM**

Conditions of Approval (COA)

Inland Production Company - Well No. 5-14-9-16, 6-14-9-16 & 7-14-9-16

#### Plans For Reclamation Of Location:

1. All seeding for reclamation operations at these locations shall use the following seed mixture:

galleta grass	Hilaria jamesii	3 lbs/acre
shadscale	Atriplex confertifolia	3 lbs/acre
Gardners salt bush	Atriplex gardneri	3 lbs/acre
Indian rice grass	Oryzopsis hyemoides	3 lbs/acre

2. If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.
3. Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

#### Other Information:

1. If any the location is a producing oil well the pumping unit motor will be equipped with a "hospital type" muffler or a multi-cylinder engine.

Due to potential paleontological resources during construction of the access road, well location, and reserve pit, for well No. 5-14-9-17 a qualified paleontologist acceptable to the authorized officer of the Vernal Field Office will monitor for fossil discovery. If fossils are located work will discontinue until a determination is made to record fossils finds or salvage fossils.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

005

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1882 FNL 1923 FWL SE/NW Section 14, T9S R16E

5. Lease Designation and Serial No.

U-096547

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

JONAH

8. Well Name and No.

JONAH 6-14-9-16

9. API Well No.

43-013-32337

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTA

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Permit Extension

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland Production Company requests to extend the permit to drill this well for one year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 02-13-03  
By: [Signature]

RECEIVED

FEB 04 2003

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR  
Date: 02-14-03  
Initials: CTD

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]  
Mandie Crozier

Title

Permit Clerk

Date

2/3/03

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

013

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

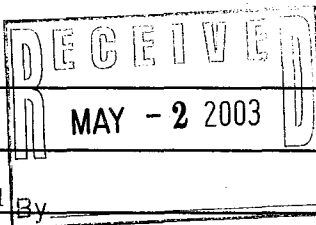
INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1882 FNL 1923 FWL SE/NW Section 14, T9S R16E



5. Lease Designation and Serial No.

U-096547

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

JONAH

8. Well Name and No.

JONAH 6-14-9-16

9. API Well No.

43-013-32337

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Permit Extension

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland Production Company requests to extend the Permit to Drill this well for one year.

CONDITIONS OF APPROVAL ATTACHED RECEIVED  
MAY 28 2003  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Mandie Crozier  
Mandie Crozier

Title

Regulatory Specialist

Date

5/1/2003

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Paul J. [Signature]  
Title

Petroleum Engineer

Date

5/6/03

Conditions of approval, if any:

CC: Utah DOGM

UDOGM

Under 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Inland Production Company  
APD Extension

Well: Jonah 6-14-9-16

Location: SENW Sec. 14, T9S, R16E

Lease: U-096547

**Conditions of Approval**

An extension for the referenced APD is granted with the following conditions:

1. The extension will expire May 10, 2004
2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood at (435) 781-4486.



**DIVISION OF OIL, GAS AND MINING****SPUDDING INFORMATION**Name of Company: INLAND PRODUCTION COMPANYWell Name: JONAH 6-14-9-16Api No: 43-013-32337 Lease Type: FEDERALSection 14 Township 09S Range 16E County DUCHESNEDrilling Contractor LEON ROSS RIG # 14**SPUDDED:**Date 06/09/03Time 8:00 AMHow DRY**Drilling will commence:** \_\_\_\_\_Reported by PAT WISENERTelephone # 1-435-823-7468Date 06/10/2003 Signed: CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: INLAND PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11492	43-013-32337	Jonah #6-14-9-16	SE/NW	14	9S	16E	Duchesne	June 9, 2003	6/11/03

WELL 1 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 2 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 3 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 4 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(over)

*Kebbie S. Jones*  
Signature  
Production Clerk  
Title

Kebbie S. Jones

June 10, 2003

RECEIVED

JUN 10 2003

DIV. OF OIL, GAS & MINING

*e*



December 16, 2003

State of Utah, Division of Oil, Gas and Mining  
Attn: Ms. Carol Daniels  
P.O. Box 145801  
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels  
Re: Completion reports

Dear Ms. Carol Daniels

Enclosed are the preliminary completion reports for the wells spud more than 4 months ago, but not reported as completed.

Inland Resources intends to drill and complete most of the wells on this list in the year 2004. At that time, I will be sending to you the final completion reports for these wells.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,

Brian Harris  
Engineering Tech

RECEIVED  
DEC 22 2003  
DIV. OF OIL, GAS & MINING



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
			Well Name Jonah 6-14-9-16	Garden Gulch Mkr			
				Garden Gulch 1			
				Garden Gulch 2			
				Point 3 Mkr			
				X Mkr			
				Y-Mkr			
				Douglas Creek Mkr			
				BiCarbonate Mkr			
				B Limestone Mkr			
				Castle Peak			
				Basal Carbonate			
				Total Depth (LOGGERS)			

**Wells Spudded More than 4 Months Ago But Not Yet Reported As Completed**

Well Name				Twp-Rng-Sec		API Number			Spud Date
S WELLS DRAW 13-3-9-16				09S 16E 03		4301332106			9/22/2000
LONE TREE 10-16-9-17				09S 17E 16		4301332087			2/5/2001
LONE TREE 15-16-9-17				09S 17E 16		4301332089			2/7/2001
LONE TREE 16-16-9-17				09S 17E 16		4301332150			2/13/2001
ODEKIRK SPRINGS 15-35-8-17				08S 17E 35		4304733550			4/11/2001
GBU 1-34-8-17				08S 17E 34		4301332252			8/12/2001
GBU 7-34-8-17				08S 17E 34		4301332257			8/30/2001
ASHLEY 2-11-9-15				09S 15E 11		4301332214			10/24/2001
S WELLS DRAW 14-3-9-16				09S 16E 03		4301332139			2/18/2002
S WELLS DRAW 11-3-9-16				09S 16E 03		4301332138			2/19/2002
ASHLEY 7-11-9-15				09S 15E 11		4301332215			7/8/2002
JONAH 4-11-9-16				09S 16E 11		4301332279			1/2/2003
GBU 10-26-8-17				08S 17E 26		4304734309			1/29/2003
GBU 2-26-8-17				08S 17E 26		4304734163			4/29/2003
JONAH 7-14-9-16				09S 16E 14		4301332338			5/12/2003
<b>JONAH 6-14-9-16</b>				<b>09S 16E 14</b>		<b>4301332337</b>			<b>6/9/2003</b>
JONAH 5-14-9-16				09S 16E 14		4301332336			6/11/2003
LONE TREE U 8-16-9-17				09S 17E 16		4301332311			7/15/2003
HUMPBAC FED 9-24-8-17				08S 17E 24		4304734881			7/21/2003
LONE TREE U 7-16-9-17				09S 17E 16		4301332310			7/25/2003

RECEIVED

DEC 22 2003

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

009

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

**U-096547**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**JONAH**

8. Well Name and No.

**JONAH 6-14-9-16**

9. API Well No.

**43-013-32337**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1882 FNL 1923 FWL SE/NW Section 14, T9S R16E**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Weekly Status Report**  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On 2-25-03. MIRU Patterson # 155. Set equipment. Pressure test Bop's, Kelly, & TIW to 2,000 psi. Test 85/8" csgn to 1,500 psi. Vernal BLM office was notified of test. PU BHA and tag cement @ 260'. Drill out cement & shoe. Continue to drill a 77/8" hole with fresh water to a depth of 5890'. Lay down drill string, BHA. Open hole log from TD to surface. PU & MU guide shoe, 1 jt 51/2" J-55 15.5 # csgn. Float collar, & 136 Jt's 51/2" J-55 15.5# csgn. Set @ 5852' KB. Cement with 320 sks Prem Lite II w/ 3% KCL, 8 % Gel, 5#"s sk CSE, 3#"s sk Kolseal, .8% Sms, 1/2# sks Celloflake. Mixed @ 11.0 ppg, >3.42 yld. Followed by 450 sks 50/50 Poz w/ 3% KCL, 2% Gel, .05% Static free, 1/2# sk Celloflake. Mixed @ 14.4 ppg, > 1.24 yld. Returned 30 bbbbs cement to pit. Nippel down BOP's. Drop slips @ 77,000 # 's tension. Clean pit's & release rig on 3-1-04

14. I hereby certify that the foregoing is true and correct

Signed

*Pat Wisener*  
Pat Wisener

Title

**Drilling Foreman**

Date

**3/1/2004**

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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MAR 02 2004

DIV. OF OIL, GAS & MINING

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5852.52

Flt cllr @ 5830'

LAST CASING 8 5/8" SET AT 310.71'

OPERATOR Inland Production Company

DATUM 12.5 KB

WELL Jonah Fed 6-14-9-16

DATUM TO CUT OFF CASING 12.5

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # Patterson 155

TD DRILLER 5890 LOGGER 5874'

HOLE SIZE 7 7/8"

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		5.04 4122.65' short jt					
136	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5818.77
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	20
		<b>GUIDE</b> shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5854.02
TOTAL LENGTH OF STRING	5854.02	137	LESS CUT OFF PIECE	14
LESS NON CSG. ITEMS	15.25		PLUS DATUM TO T/CUT OFF CSG	12.5
PLUS FULL JTS. LEFT OUT	122.88	3	CASING SET DEPTH	<b>5852.52</b>
<b>TOTAL</b>	<b>5961.65</b>	140	} COMPARE	
TOTAL CSG. DEL. (W/O THRDS)	5961.65	140		
TIMING	1ST STAGE	2nd STAGE	<div style="text-align: center;"> <b>RECEIVED</b>  <b>MAR 02 2004</b>  DIV. OF OIL, GAS &amp; MINING </div>	
BEGIN RUN CSG.	8:00am			
CSG. IN HOLE	11:00am			
BEGIN CIRC	11:15am	12:30pm		
BEGIN PUMP CMT	12:43pm	1:09pm		
BEGIN DSPL. CMT	1:38pm			
PLUG DOWN	2:01pm			
GOOD CIRC THRU JOB			yes	
Bbls CMT CIRC TO SURFACE			30 bbls	
RECIPROCATED PIPE FOR			THRUSTROKE	
DID BACK PRES. VALVE HOLD ?			yes	
BUMPED PLUG TO			2112	PSI

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	320	Prem-lite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE Pat Wisener

DATE 2/29/2004



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1882 FNL 1923 FWL

SE/NW Section 14 T9S R16E

5. Lease Serial No.

UTU72086A

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

JONAH 6-14-9-16

9. API Well No.

4301332337

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work was performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation requires multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status Report for time period 3/9/04-3/19/04

Subject well had completion procedures initiated in the Green River formation on 3/9/2004 without the use of a service rig over the well. A cement bond log was run and a total of five Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1: (4986-5018') 2 JSPF; Stage #2: (4898-4906') 4 JSPF; Stage #3: (4803-4811'), (4762-4768') both 4 JSPF; Stage #4: (4685-4695') 4 JSPF; Stage #5: (4047-4055') 4 JSPF. Composite flow-through frac plugs were used between the stages. Fracs were flowed back through chokes. A service rig was moved over well on 3/12/04. Bridge plugs were drilled out and well was cleaned to PBTD @ 5832'. Zones were swab tested for sand cleanup. A BHA and production tubing were run and anchored in well. End of tubing string @ 5044'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 3/19/2004.

**RECEIVED**

**MAR 25 2004**

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Matthew Richmond

Signature

Title

Production Clerk

Date

3/24/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

014

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-096547

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

JONAH

8. Well Name and No.

JONAH 6-14-9-16

9. API Well No.

43-013-32337

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1882 FNL 1923 FWL SE/NW Section 14, T9S R16E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☒ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED  
APR 16 2004  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

*Mandie Crozier*  
Mandie Crozier

Title

Regulatory Specialist

Date

4/14/2004

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

# Inland Resources Inc.

---

April 22, 2004

State of Utah, Division of Oil, Gas and Mining  
Attn: Ms. Carol Daniels  
P.O. Box 145801  
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels

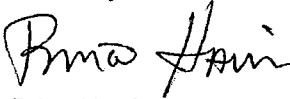
Jonah 6-14-9-16 (43-013-32337)  
Duchesne County, Utah

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Pat Grissom of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,



Brian Harris  
Engineering Tech

Enclosures

cc: Bureau of Land Management  
Vernal District Office, Division of Minerals  
Attn: Edwin I. Forsman  
170 South 500 East  
Vernal, Utah 84078

Well File – Denver  
Well File – Roosevelt  
Patsy Barreau/Denver  
Bob Jewett/Denver  
Matt Richmond/Roosevelt

RECEIVED

APR 26 2004

DIV. OF OIL, GAS & MINING

011

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

## 1a. TYPE OF WORK

OIL  
WELL ☒GAS  
WELL ☐DRY ☐

Other

## 1b. TYPE OF WELL

NEW  
WELL ☒WORK  
OVER ☐DEEPEN ☐PLUG  
BACK ☐DIFF  
RESVR. ☐

Other

## 2. NAME OF OPERATOR

INLAND RESOURCES INC.

## 3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

## 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface

1882' FNL &amp; 1923' FWL (SE NW) Sec. 14, T9S, R17E

At top prod. Interval reported below

At total depth

14. API NO.

43-013-32337

DATE ISSUED

2/14/2002

15. DATE SPUDDED  
6/10/200316. DATE T.D. REACHED  
2/28/200417. DATE COMPL. (Ready to prod.)  
3/19/200418. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
5593' GL12. COUNTY OR PARISH  
Duchesne13. STATE  
UT19. ELEV. CASINGHEAD  
5605' KB

20. TOTAL DEPTH, MD &amp; TVD

5890'

21. PLUG BACK T.D., MD &amp; TVD

5832'

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY  
----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4047'-5018'

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

## 23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	311'	12-1/4"	To surface with 150 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5853'	7-7/8"	320 sx Premilite II and 450 sx 50/50 Poz	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5044'	TA @ 4941'

## 30. TUBING RECORD

## 31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(A3) 4986-5018'	.038	4/64	4986'-5018'	Frac w/ 105,000# 20/40 sand in 855 bbls fluid.
(A.5) 4898'-4906'	.038	4/32	4989'-4906'	Frac w/ 20,600# 20/40 sand in 249 bbls fluid.
(B.5,2) 4762-4768', 4803-4811'	.038	4/56	4762'-4811'	Frac w/ 58,60# 20/40 sand in 464 bbls fluid.
(C-sd) 4685'-4695'	.038	4/40	4685'-4695'	Frac w/ 53,600# 20/40 sand in 449 bbls fluid.
(GB6) 4047-4055'	.038	4/32	4047'-4055'	Frac w/ 27,989# 20/40 sand in 268 bbls fluid.

## 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

## 33.\* PRODUCTION

DATE FIRST PRODUCTION 3/19/2004	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 147	GAS--MCF. 140	WATER--BBL. 9	GAS-OIL RATIO 952
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL--GAL. PER BBL. (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold &amp; Used for Fuel

TEST WITNESSED BY

## 35. LIST OF ATTACHMENTS

DIV. OF OIL, GAS &amp; MINING

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Brian Harris

TITLE

Engineering Technician

DATE

4/22/2004

BDH

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Jonah 6-14-9-16	Garden Gulch Mkr	3514'	
				Garden Gulch 1	3711'	
				Garden Gulch 2	3830'	
				Point 3 Mkr	4099'	
				X Mkr	4345'	
				Y-Mkr	4378'	
				Douglas Creek Mkr	4500'	
				BiCarbonate Mkr	4733'	
				B Limestone Mkr	4852'	
				Castle Peak	5348'	
				Basal Carbonate	5794'	
				Total Depth (LOGGERS)	5890'	



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



## OPERATOR CHANGE WORKSHEET

012

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004

**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****JONAH (GREEN RIVER)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
JONAH FED 1-11	11	090S	160E	4301332157	11492	Federal	WI	A
JONAH FED 2-11	11	090S	160E	4301332158	11492	Federal	OW	P
JONAH FED 3-11	11	090S	160E	4301332159	11492	Federal	WI	A
JONAH 4-11-9-16	11	090S	160E	4301332279	11492	Federal	OW	P
JONAH UNIT 4-12	12	090S	160E	4301332180	11492	Federal	OW	P
JONAH FED 9-12-9-16	12	090S	160E	4301332430	11492	Federal	OW	P
JONAH FED 16-12-9-16	12	090S	160E	4301332431	11492	Federal	OW	P
JONAH FED 15-12-9-16	12	090S	160E	4301332627		Federal	OW	APD
JONAH UNIT 8-14-9-16	14	090S	160E	4301332054	11492	Federal	OW	P
JONAH 5-14-9-16	14	090S	160E	4301332336	11492	Federal	OW	P
JONAH 6-14-9-16	14	090S	160E	4301332337	11492	Federal	OW	P
JONAH 7-14-9-16	14	090S	160E	4301332338	11492	Federal	OW	P
JONAH FED 9-14-9-16	14	090S	160E	4301332661		Federal	OW	APD
JONAH FED 10-14-9-16	14	090S	160E	4301332662		Federal	OW	APD
JONAH 8-7	07	090S	170E	4301331989	11492	Federal	WI	A

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

#### DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

#### FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

#### INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

#### FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

#### LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

#### COMMENTS:

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-096547
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: JONAH 6-14-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013323370000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1882 FNL 1923 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/19/2013			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 02/18/2013. On 02/18/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/19/2013 the casing was pressured up to 1270 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: March 04, 2013

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 2/21/2013

# Mechanical Integrity Test Casing or Annulus Pressure Test

**Newfield Production Company**

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 21/11/13 Time 11:00 am pm  
Test Conducted by: EVERETT UNRUH  
Others Present: \_\_\_\_\_

Well: JONAH 10-14-9-16Field: monument ButteWell Location: SE NW SEC 14 T9S R16E  
Duchesne County, UTAPI No: 43-013-32337

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1270</u>	psig
5	<u>1270</u>	psig
10	<u>1270</u>	psig
15	<u>1270</u>	psig
20	<u>1270</u>	psig
25	<u>1270</u>	psig
30 min	<u>1270</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result:

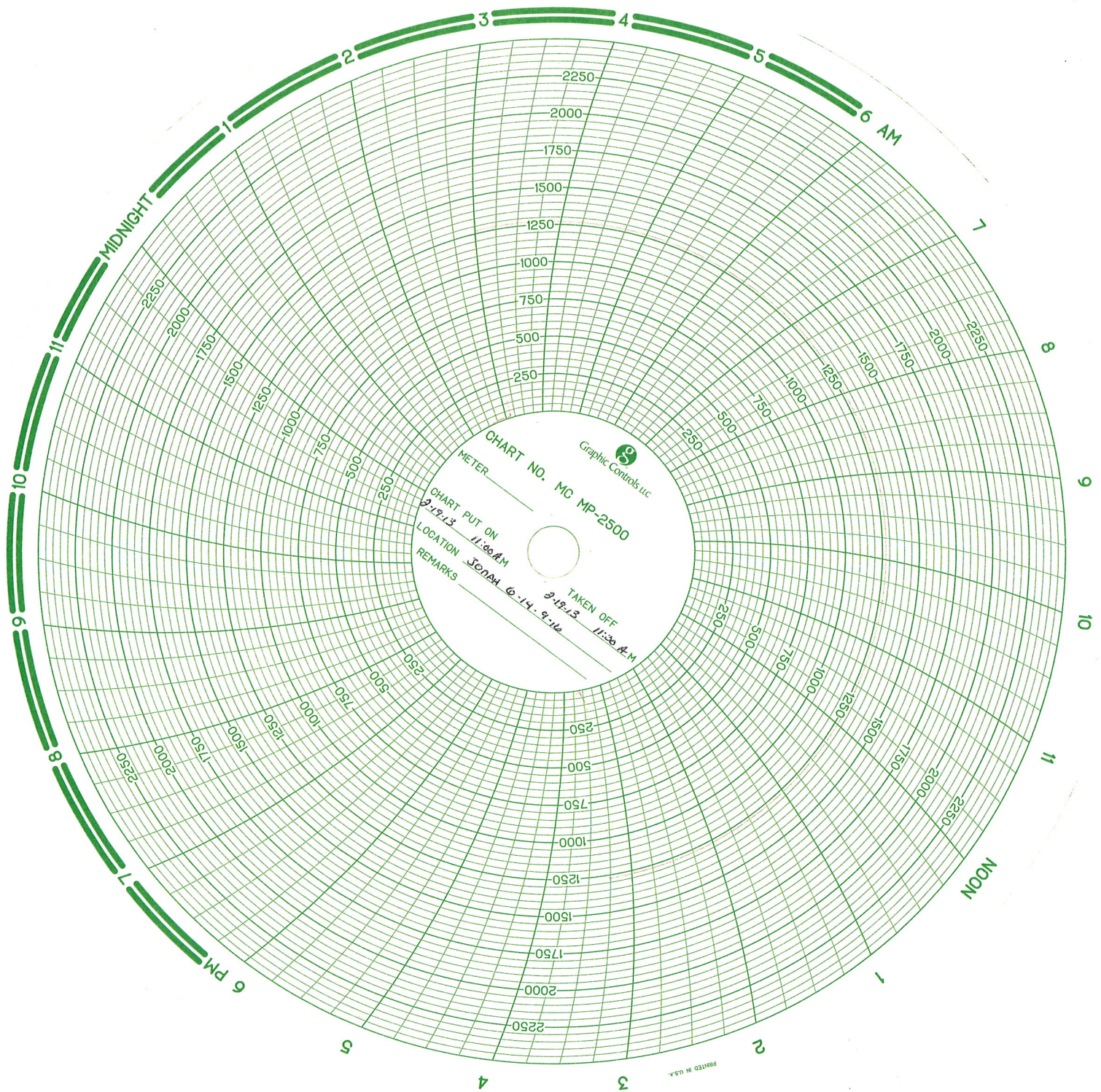
Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Everett Unruh







## Daily Activity Report

Format For Sundry

**JONAH 6-14-9-16**

**12/1/2012 To 4/28/2013**

**2/14/2013 Day: 1**

**Conversion**

WWS #9 on 2/14/2013 - RIMU pump 60 BBLS of water down TBG - Road rig from Jonah Federal 2-11-9-16 unit on Deadman 1:45pm rig up remove head from unit, pump 60 BBLS down casing @ 250\* pu on rods beat on pump tell 3:45 not coming off sent pump another 60 BBLS down CSG work on unseating pump pump tell 5:00 still not coming off seat pu pol rod SWIFN

**Daily Cost:** \$0

**Cumulative Cost:** \$12,299

---

**2/15/2013 Day: 2**

**Conversion**

WWS #9 on 2/15/2013 - TOO H w/ rods - Pump 40 bbls down csg @ 250 degrees, Cont. work on unsetting rod pump. Came off seat, flush w, 30 bbsl. Reset pump, fill tbg w/20 bbls test to 3000psi, good. Start LD rods 105 rods out, flush tbg w/30 bbls, cont LD rods. Had 99-3/4 4 pers, 83- 3/4 slick, 10-3/4 4pers 6-1/2wt bars. XO to tbg, ND wellhead, Pic on TBG, TAC not set, NU bops, RD floor, TOO H doping collars and tallying pipe.

**Daily Cost:** \$0

**Cumulative Cost:** \$19,034

---

**2/19/2013 Day: 4**

**Conversion**

WWS #9 on 2/19/2013 - Thaw tbg ck pressure 2500psi pres back to 3000 - Thaw tbg ck pressure 2500psi pres back to 3000 watch for 30 minutes good bleed off pres. Ru rih W/ sandline retrieve SV POOH RD ND floor and BOP land TBG on adapter pump 65 bbls PKR fluid PU set PKR @ 3991 TO CE W/ 15000 tension PSN @ 3985 EOT 4000 fill W/ 7 BBLS pressure back up 1500PSI lost 80 PSI 30 Minutes pressure back up to 15000 watch for 1 hour good, RDMO. - TOO H W/30BBLS fresh water Cant TOO H W/ TBG, TBG 121 JTS Total LD 32 extra JTS TIH W/ 2-3/8 re-entry giude, 2-3/8 YN-nipple 1.87 prefile 4X2-3/8 TBG suh crossover 5-1/2 pkr, on off tool psn 121 jts pump 5 BBLS pad prop SV fill tbg W15 bbls prussere up to 3000psi watch 30 minutes lost 200 psi pressure back up to 3000psi lost 100 psi in 30 minutes lost 150 psi bleed off to 0 then back up to 3000 psi CK on Monday. - Thaw tbg ck pressure 2500psi pres back to 3000 watch for 30 minutes good bleed off pres. Ru rih W/ sandline retrieve SV POOH RD ND floor and BOP land TBG on adapter pump 65 bbls PKR fluid PU set PKR @ 3991 TO CE W/ 15000 tension PSN @ 3985 EOT 4000 fill W/ 7 BBLS pressure back up 1500PSI lost 80 PSI 30 Minutes pressure back up to 15000 watch for 1 hour good, RDMO. - TOO H W/30BBLS fresh water Cant TOO H W/ TBG, TBG 121 JTS Total LD 32 extra JTS TIH W/ 2-3/8 re-entry giude, 2-3/8 YN-nipple 1.87 prefile 4X2-3/8 TBG suh crossover 5-1/2 pkr, on off tool psn 121 jts pump 5 BBLS pad prop SV fill tbg W15 bbls prussere up to 3000psi watch 30 minutes lost 200 psi pressure back up to 3000psi lost 100 psi in 30 minutes lost 150 psi bleed off to 0 then back up to 3000 psi CK on Monday.

**Daily Cost:** \$0

**Cumulative Cost:** \$29,398

---

**2/20/2013 Day: 5**

**Conversion**

Rigless on 2/20/2013 - Conduct initial MIT - On 02/18/2013 Chris Jensen with the State of



Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/19/2013 the casing was pressured up to 1270 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Daily Cost:** \$0

**Cumulative Cost:** \$61,232

---

**Pertinent Files:** [Go to File List](#)



January 29, 2002

State of Utah  
Division of Oil, Gas & Mining  
Attn: Brad Hill  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 5-14-9-16, 6-14-9-16, and 7-14-9-16.

Dear Brad:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Permit Clerk

mc  
enclosures

**RECEIVED**

JAN 31 2002

**DIVISION OF  
OIL, GAS AND MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

001

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐

1b. TYPE OF WELL  
OIL ☐ GAS ☐ SINGLE ☐ MULTIPLE ☐  
WELL ☒ WELL ☐ OTHER ☐ ZONE ☒ ZONE ☐

2. NAME OF OPERATOR  
**Inland Production Company**

3. ADDRESS OF OPERATOR  
**Route #3 Box 3630, Myton, UT 84052** Phone: **(435) 646-3721**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At Surface **SE/NW 1882' FNL 1923' FWL** **4431602 N**  
At proposed Prod. Zone **577-775 E**

5. LEASE DESIGNATION AND SERIAL NO.  
**U-096547**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**

7. UNIT AGREEMENT NAME  
**Jonah**

8. FARM OR LEASE NAME WELL NO  
**6-14-9-16**

9. API WELL NO.  
**43-013-32337**

10. FIELD AND POOL OR WILDCAT  
**Monument Butte**

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
**SE/NW**  
**Sec. 14, T9S, R16E**

12. County  
**Duchesne**

13. STATE  
**UT**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 20.4 miles south of Myton, Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to  
**Approx. 1923' f/lse line & 3357' f/unit line**

16. NO. OF ACRES IN LEASE  
**600.00**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.  
**Approx. 1410'**

19. PROPOSED DEPTH  
**6500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5592.6' GR**

22. APPROX. DATE WORK WILL START\*  
**1st Quarter 2002**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

RECEIVED

JAN 31 2002

DIVISION OF  
OIL, GAS AND MINING

Federal Approval of this  
Action is Necessary

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.  
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Markie Cozies TITLE Permit Clerk DATE 1/29/02

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL DATE 02-14-02  
RECLAMATION SPECIALIST III

\*See Instructions On Reverse Side

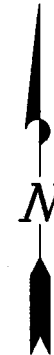
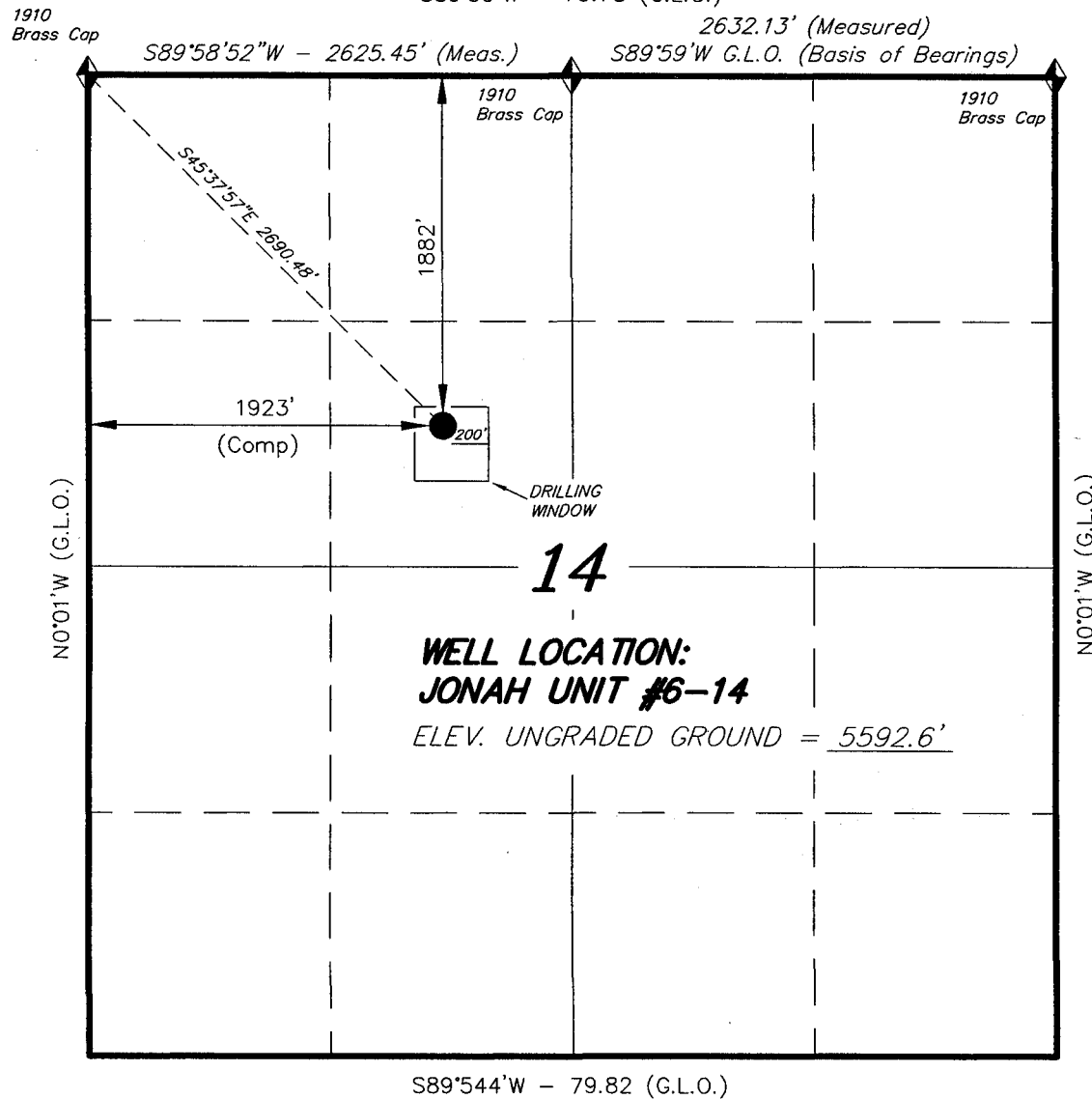
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**T9S, R16E, S.L.B.&M.**

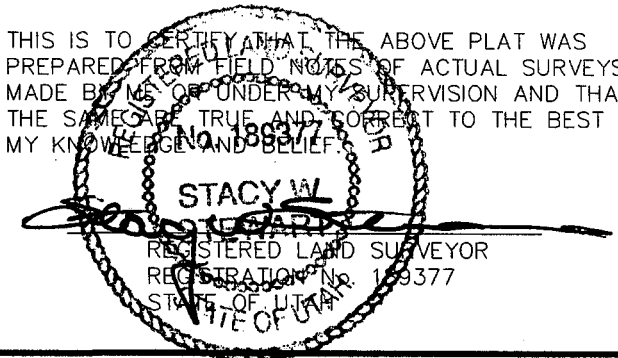
S89°59'W - 79.78 (G.L.O.)

**INLAND PRODUCTION COMPANY**

WELL LOCATION, JONAH UNIT #6-14,  
LOCATED AS SHOWN IN THE SE 1/4 NW  
1/4 OF SECTION 14, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(435) 781-2501

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 11-23-01	DRAWN BY: J.R.S.
NOTES:	FILE #

INLAND PRODUCTION COMPANY  
JONAH #6-14-9-16  
SE/NW SECTION 14, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1640'
Green River	1640'
Wasatch	6500'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1640' – 6500' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
JONAH #6-14-9-16  
SE/NW SECTION 14, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Jonah #6-14-9-16 located in the SE 1/4 NW 1/4 Section 14, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southerly along Hwy 53 - 1.7 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 9.2 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly and then southwesterly - 7.0 miles  $\pm$  to it's junction with an existing road to the east; proceed northeasterly - 0.9 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed southerly along the proposed access road - 855'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.



9. **WELL SITE LAYOUT**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Paleontological Resource Survey and Archaeological Resource Survey for this area are attached.

Inland Production Company requests a 60' ROW for the Jonah #6-14-9-16 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. Refer to Topographic Map "C."

**Water Disposal**

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Mandie Crozier  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #6-14-9-16 SE/NW Section 14, Township 9S, Range 16E: Lease U-096547 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1/29/02

Date

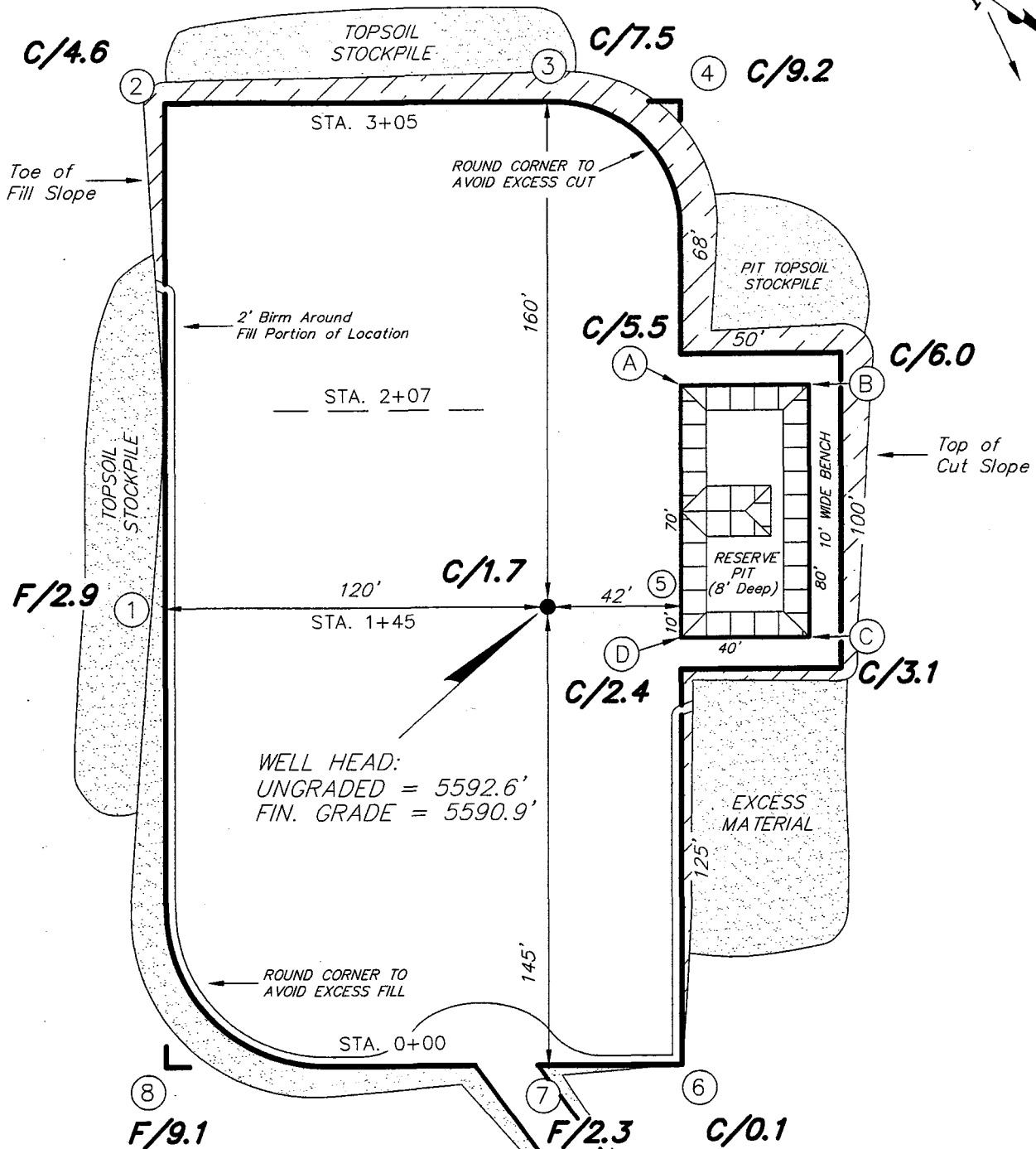
Mandie Crozier

Mandie Crozier  
Permit Clerk

# INLAND PRODUCTION COMPANY

JONAH UNIT #6-14

SECTION 14, T9S, R16E, S.L.B.&M.



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

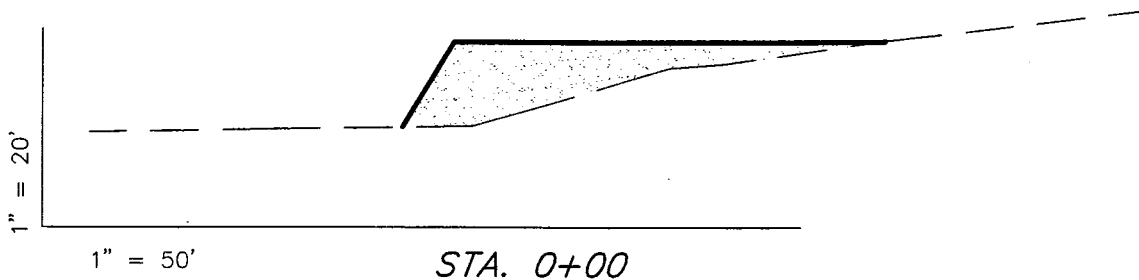
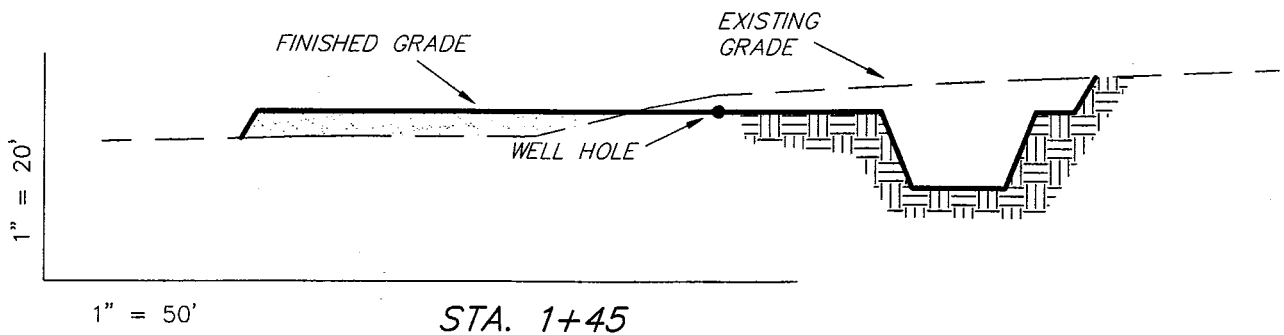
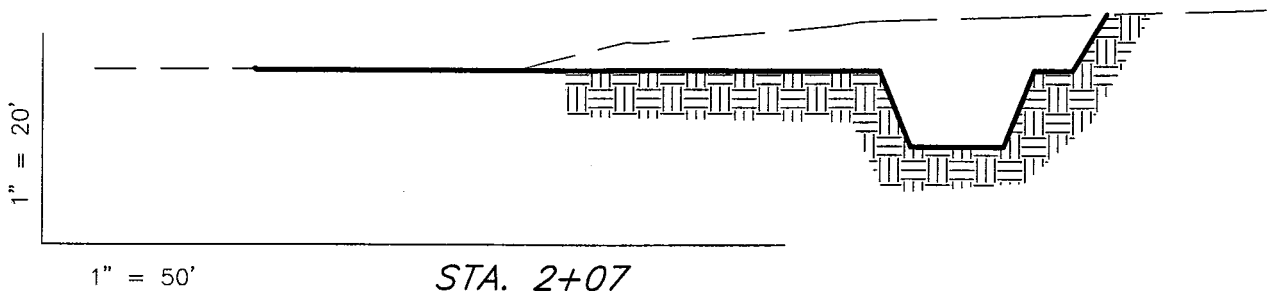
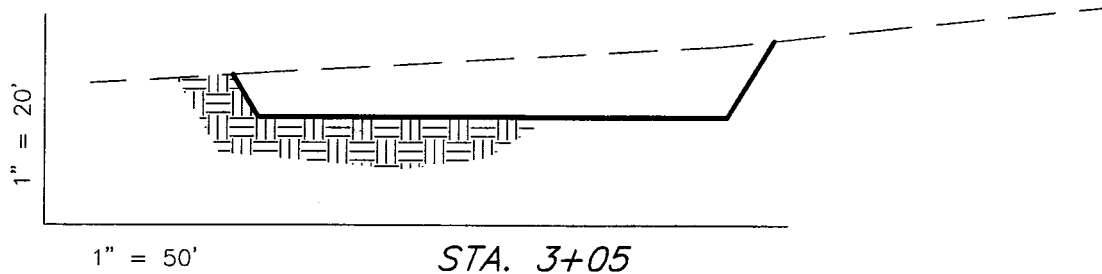
DATE: 11-23-01

Tri State  
Land Surveying, Inc.

(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

**INLAND PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**JONAH UNIT #6-14**



NOTE:  
 UNLESS OTHERWISE NOTED  
 ALL CUT/FILL SLOPES ARE  
 AT 1.5:1.

**ESTIMATED EARTHWORK QUANTITIES**  
 (Expressed in Cubic Yards)

ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	3,580	3,580	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	4,220	3,580	1,010	640

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

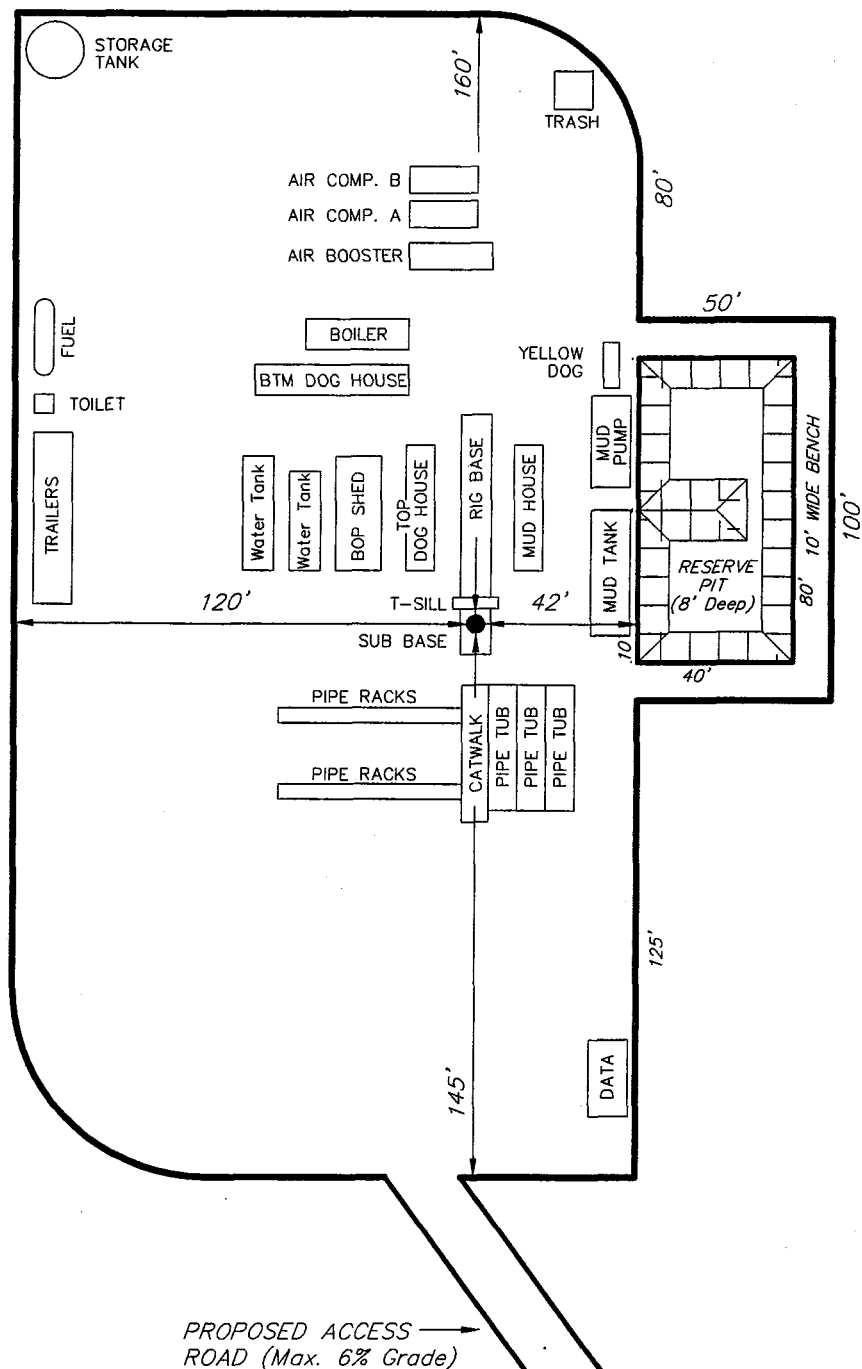
DATE: 11-23-01

**Tri State**  
 Land Surveying, Inc.  
 (435) 781-2501  
 38 WEST 100 NORTH VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### JONAH UNIT #6-14



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

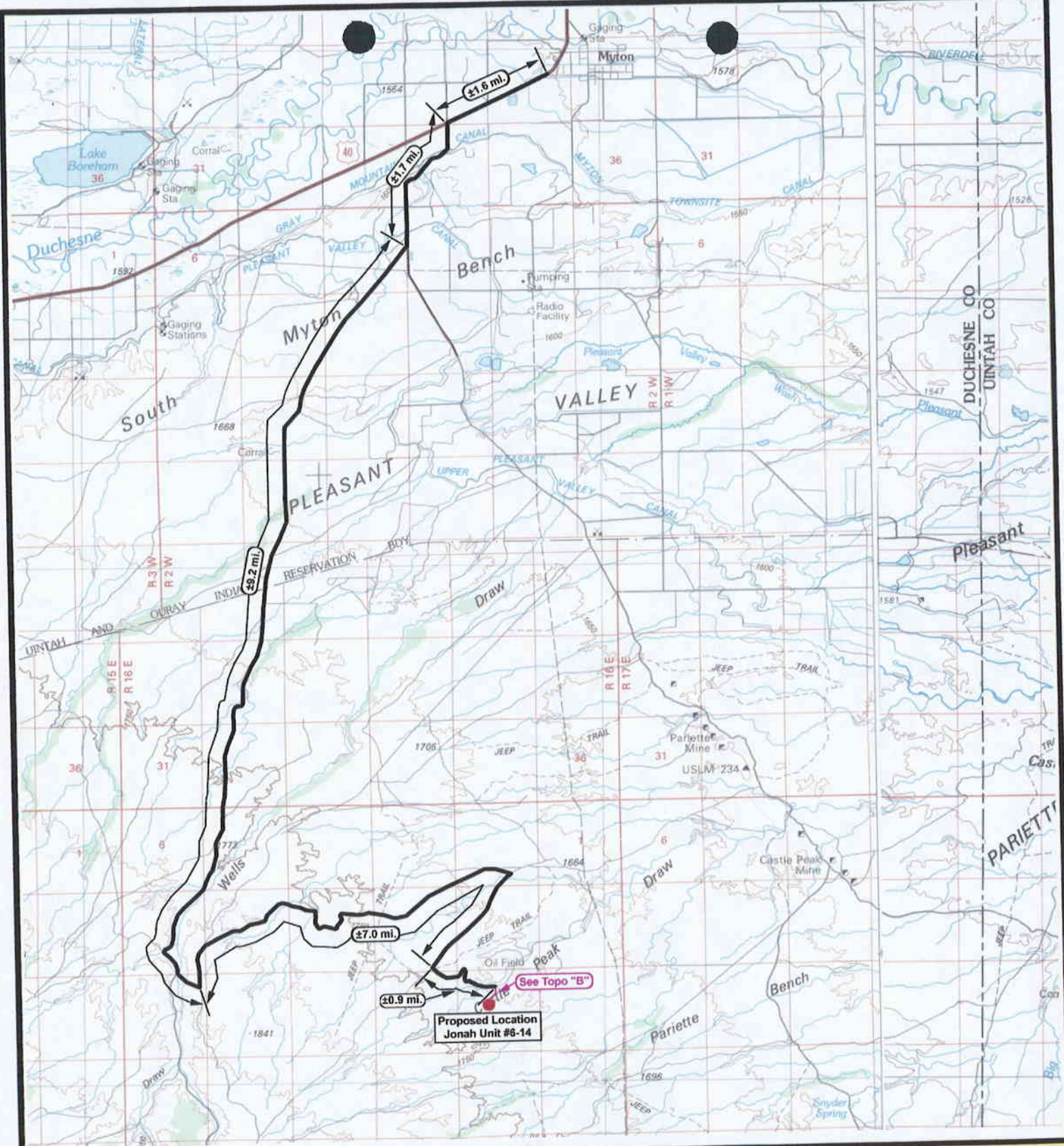
DRAWN BY: J.R.S.

DATE: 11-23-01

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



**Jonah Unit #6-14**  
**SEC. 14, T9S, R16E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

**SCALE: 1" = 100,000'**  
**DRAWN BY: D.J.**  
**DATE: 11-27-2001**

### Legend

Existing Road  
 Proposed Access

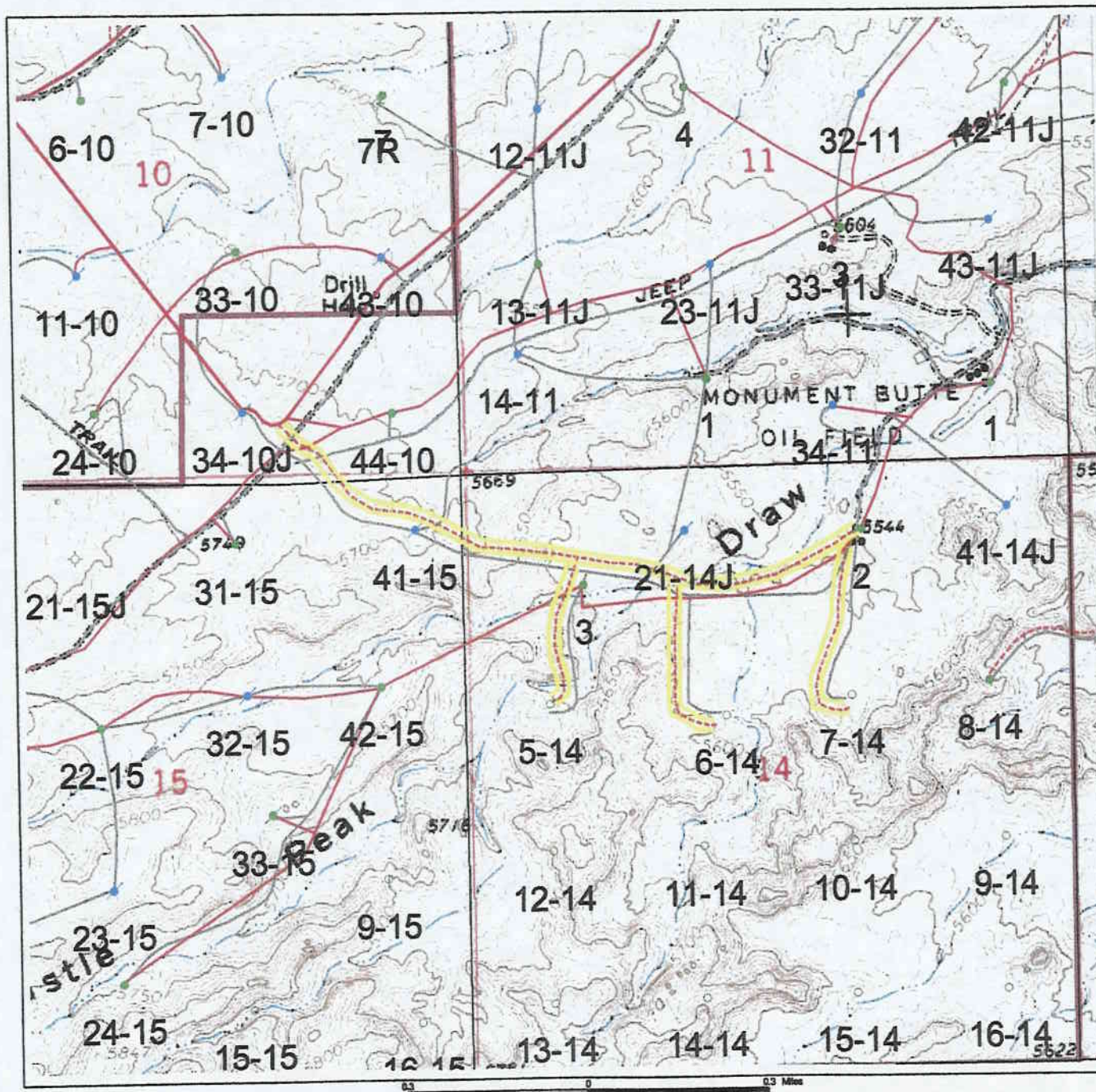
**TOPOGRAPHIC MAP**

**"A"**



**"B"**





- Water Taps
- Gas Pipelines
  - 10"
  - 6"
  - 6" proposed
  - 4"
  - 4" proposed
- Roads (Digitized)
  - Paved
  - Dirt
  - Proposed
  - Two Track
  - Private
- Johnson Water Line
- Unit Sections
  - Existing Units
  - Proposed Units



410 17<sup>th</sup> Street Suite 700  
 Denver, Colorado 80202  
 Phone: (303) 495-0192

### Gas Pipeline Map

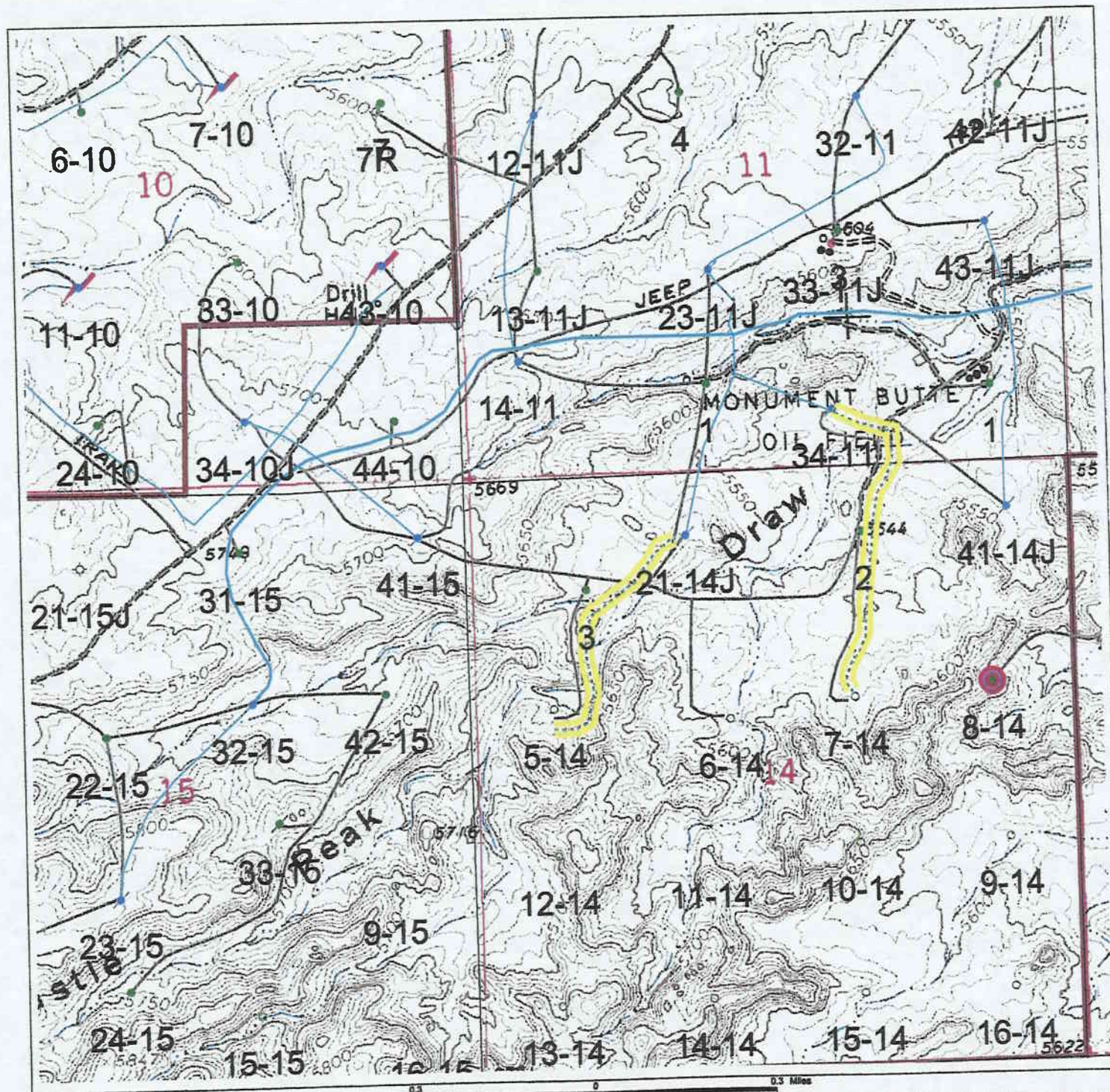
UINTA BASIN, UTAH

Duchesne & Uintah Counties, Utah

E.C. Chaplin

January 11, 2002





- Water Taps
- 2001 Injection Conversion Program
- Pending Waterline ROW
- Approved Waterline ROW
- Water Injection Permit Pending
- Approved Water Injection Permit
- Water 6 inch
- Water 4 inch
- Water 4 inch - High Pressure
- Water 4 inch Poly
- Water 2 to 3 inch
- Proposed Water
- Injection Stations
- Pump Stations
- Roads (Digitized)
- Paved
- Dirt
- Proposed
- Two Track
- Private
- Johnson Water Line
- Unit Sections
- Existing Units
- Proposed Units



410 17<sup>th</sup> Street, Suite 700  
 Denver, Colorado 80202  
 Phone: (303) 453-0102

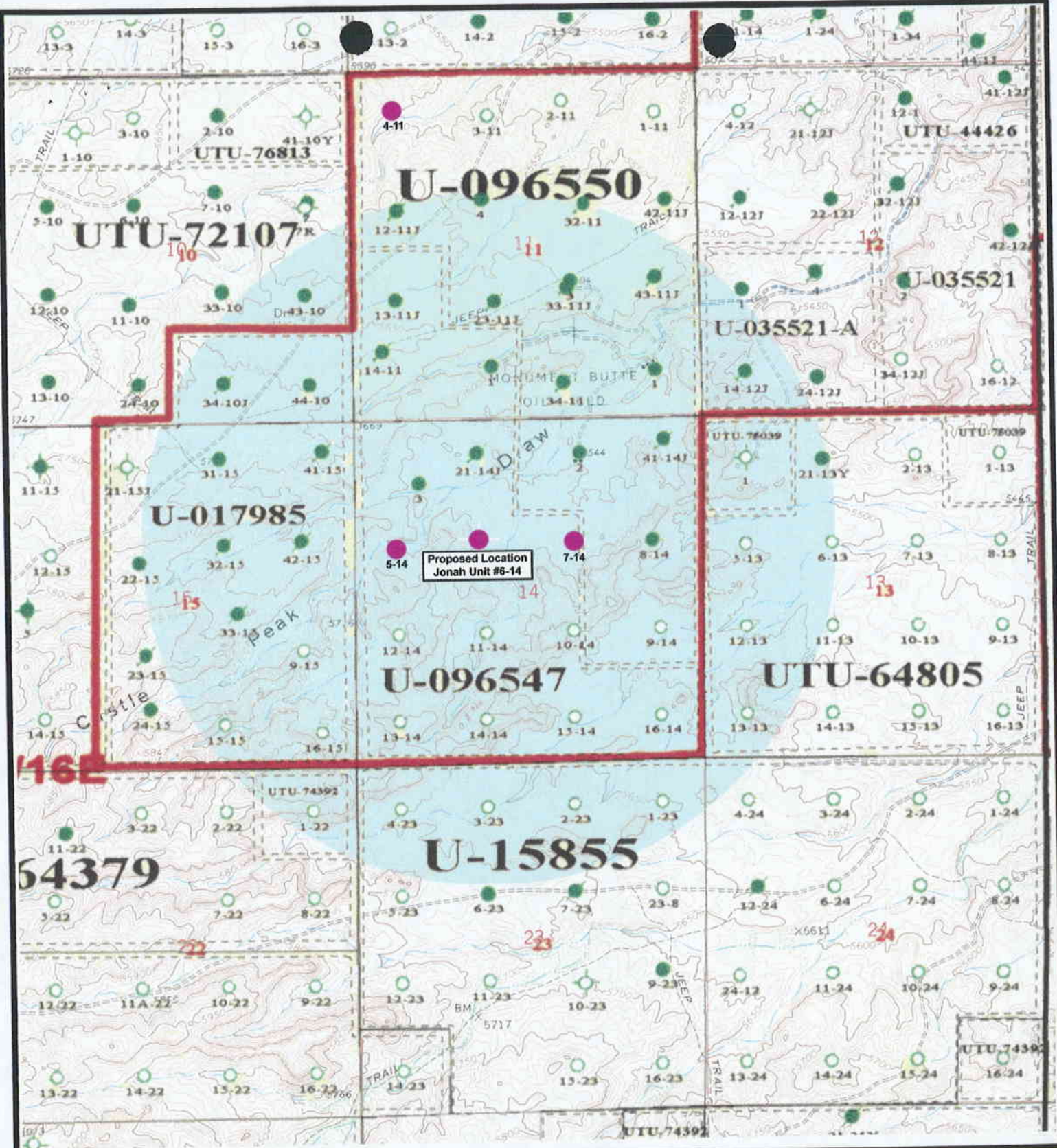
# Water Pipeline Map

UINTA BASIN, UTAH  
 Duchesne & Uintah Counties, Utah

D.C. Chapin

January 11, 2002





**Jonah Unit #6-14**  
**SEC. 14, T9S, R16E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'

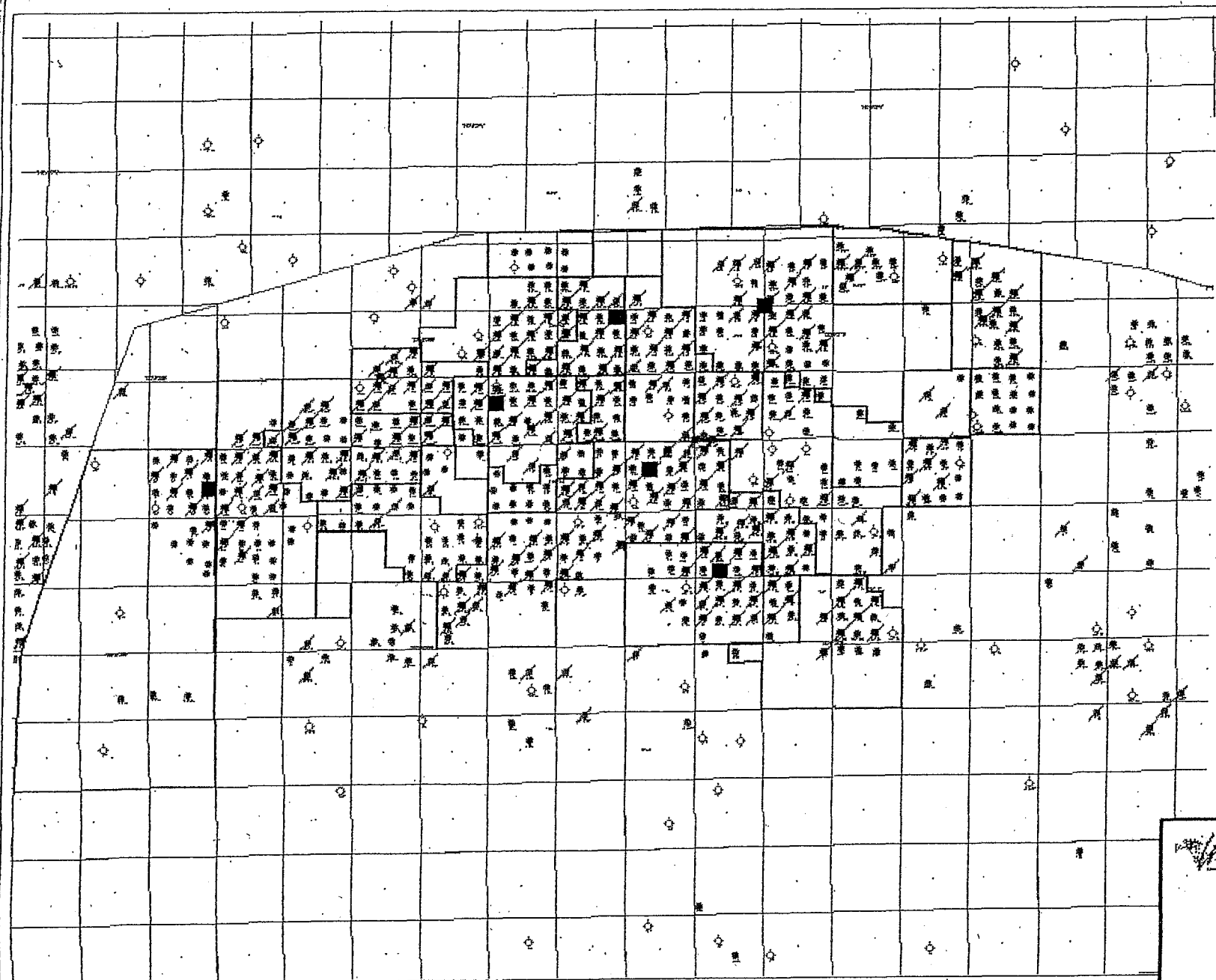
DRAWN BY: D.J.

DATE: 11-27-2001

**Legend**

- Proposed Locations
- One Mile Radius

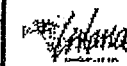
**Exhibit**  
**"B"**



- Heckin Shale  
 Well Categories  
 ↗ HJ  
 ★ OIL  
 ◇ DRY  
 ⊠ SHUTIN  
 □ Uris



Exhibit "A"



400 E. 1st Ave., Suite 700  
 Denver, Colorado 80202  
 Phone (303) 533-1022

Uinta Basin

UNITA BASIN, UTAH

Barthman & Church Consultants, T.S. & A.

July 10, 1988

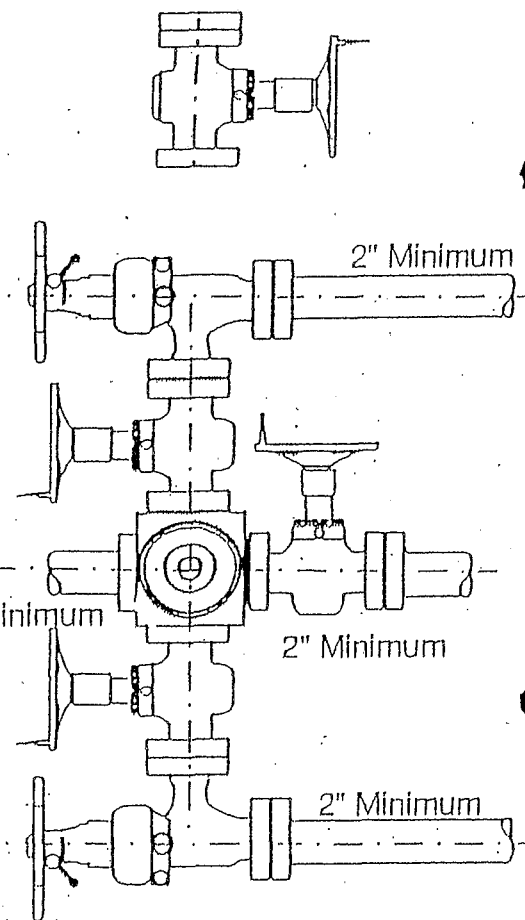
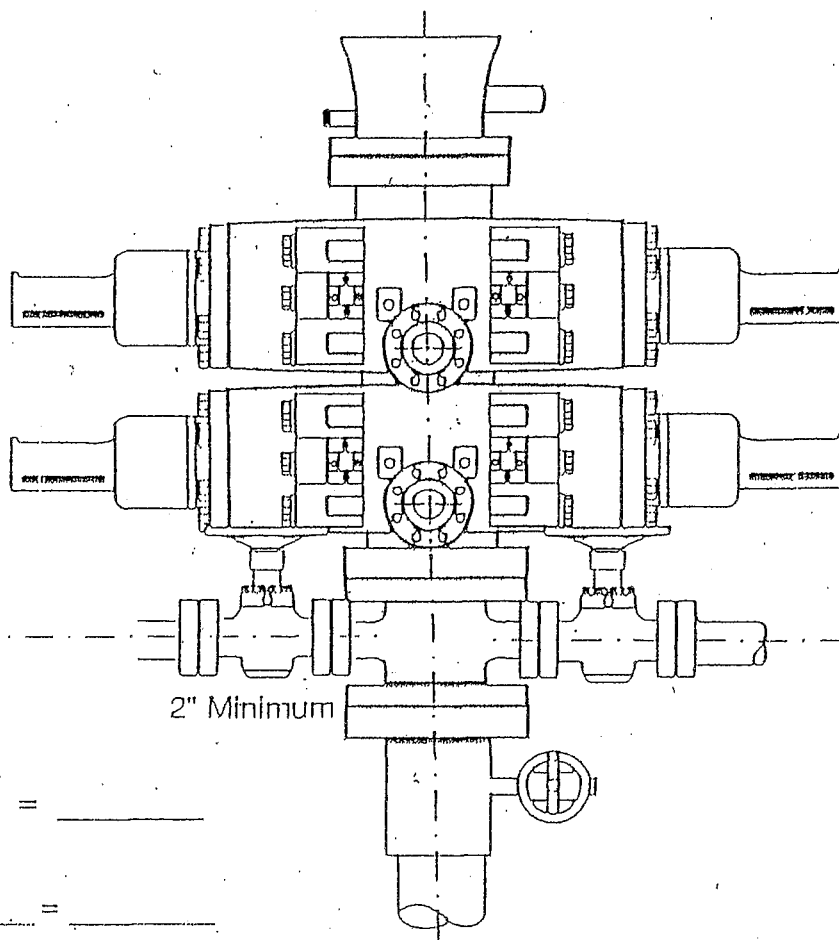
L. J. Cooper

1 0 1 Miles

RAM TYPE B.O.P.  
 Make:  
 Size:  
 Model:

# 2-M SYSTEM

EXHIBIT "C"



GAL TO CLOSE  
 Annular BOP = \_\_\_\_\_  
 Ramtype BOP  
 \_\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_  
 = \_\_\_\_\_ Gal.  
 \_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.

Rounding off to the next higher  
 increment of 10 gal. would require  
 \_\_\_\_\_ Gal. (total fluid & nitro volume)

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/31/2002

API NO. ASSIGNED: 43-013-32337

WELL NAME: JONAH 6-14-9-16

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

**PROPOSED LOCATION:**

SENW 14 090S 160E

SURFACE: 1882 FNL 1923 FWL

BOTTOM: 1882 FNL 1923 FWL

DUCHESNE

MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

**Tech Review**

**Initials**

**Date**

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-096547

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

**RECEIVED AND/OR REVIEWED:**

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. MUNICIPAL )

☒ RDCC Review (Y/N)  
(Date: )

☒ Fee Surf Agreement (Y/N)

**LOCATION AND SITING:**

R649-2-3. Unit JONAH

R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 228-2

Eff Date: 7-16-93

Siting: \* Per unit agreement.

R649-3-11. Directional Drill

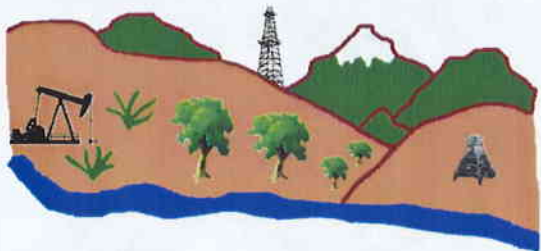
**COMMENTS:**

mon. Butte Field Sol, separate file.

**STIPULATIONS:**

1-Fed. Approval





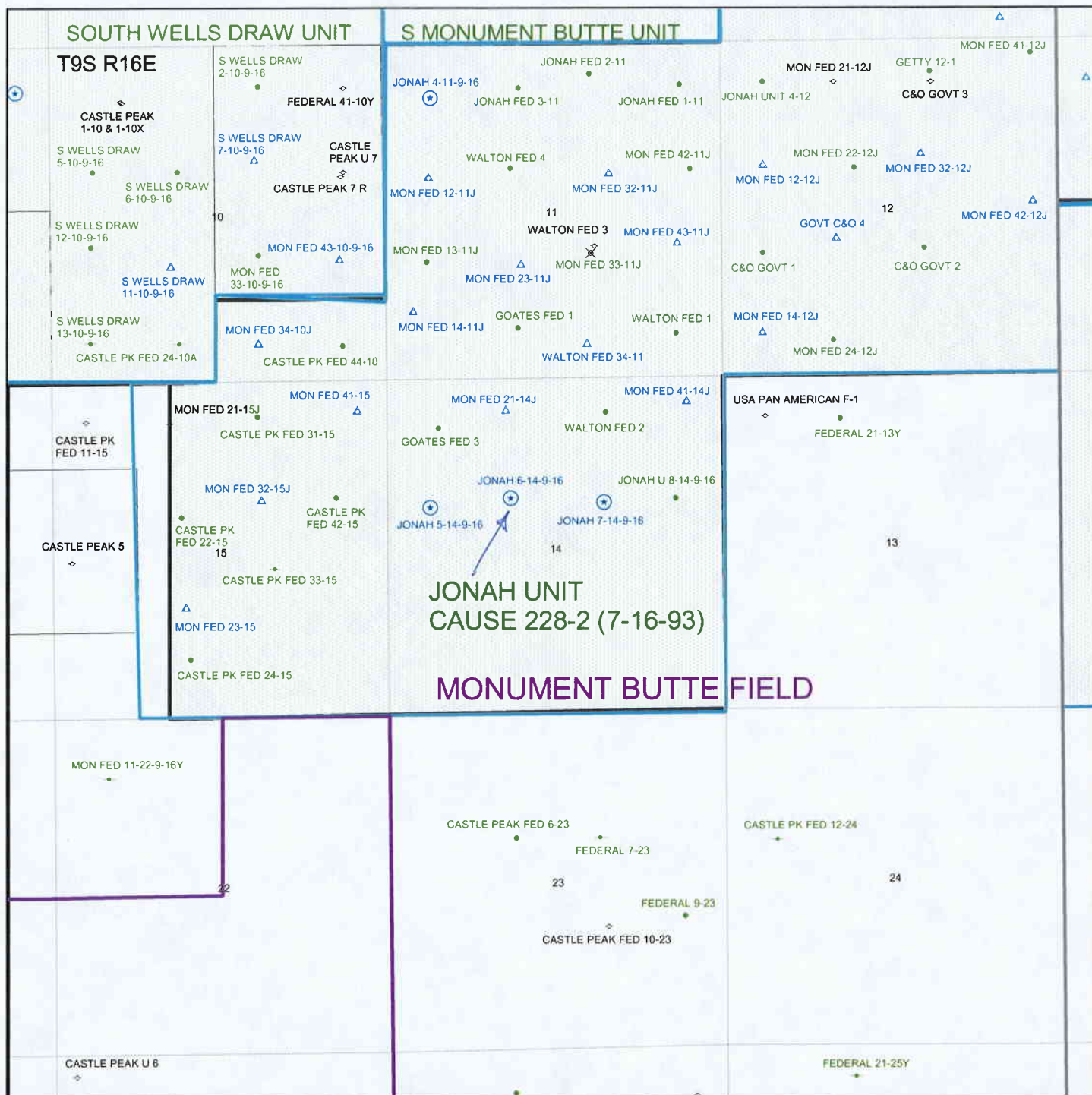
Utah Oil Gas and Mining

OPERATOR: INLAND PROD CO (N5160)

SEC. 14, T9S, R16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE UNIT: JONAH  
CAUSE: 228-2



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3180  
(UT-922)

February 13, 2002

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2002 Plan of Development Jonah Unit Duchesne  
County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2002 within the Jonah Unit, Duchesne County, Utah.

(Proposed PZ Green River)

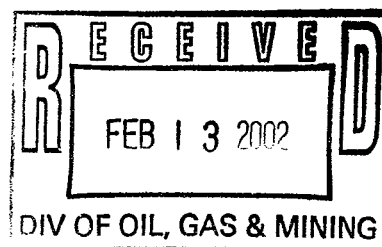
43-013-32336	Jonah 5-14-9-16	Sec. 14, T9S, R16E	2028 FNL 0659 FNL
43-013-32337	Jonah 6-14-9-16	Sec. 14, T9S, R16E	1882 FNL 1923 FNL
43-013-32338	Jonah 7-14-9-16	Sec. 14, T9S, R16E	1944 FNL 1892 FEL

This is office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Jonah  
Division of Oil Gas and Mining  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:2-13-02



003



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

February 14, 2002

Inland Production Company  
Route 3 Box 3630  
Myton UT 84052

Re: Jonah 6-14-9-16 Well, 1882' FNL, 1923' FWL, SE NW, Sec. 14, T. 9 South, R. 16 East,  
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32337.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

John R. Baza  
Associate Director

er

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Inland Production Company  
**Well Name & Number** Jonah 6-14-9-16  
**API Number:** 43-013-32337  
**Lease:** U-096547

**Location:** SE NW      **Sec.** 14      **T.** 9 South      **R.** 16 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

004

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐  
1b. TYPE OF WELL  
OIL ☐ GAS ☐ SINGLE ☐ MULTIPLE ☐  
WELL ☒ WELL ☐ OTHER ☐ ZONE ☒ ZONE ☐

2. NAME OF OPERATOR  
**Inland Production Company**  
3. ADDRESS OF OPERATOR  
**Route #3 Box 3630, Myton, UT 84052** Phone: **(435) 646-3721**  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At Surface **SE/NW 1882' FNL 1923' FWL**  
At proposed Prod. Zone

5. LEASE DESIGNATION AND SERIAL NO.  
**U-096547**  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**  
7. UNIT AGREEMENT NAME  
**Jonah**  
8. FARM OR LEASE NAME WELL NO  
**6-14-9-16**

9. API WELL NO.  
10. FIELD AND POOL OR WILDCAT  
**Monument Butte**  
11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
**SE/NW  
Sec. 14, T9S, R16E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 20.4 miles south of Myton, Utah**

12. County  
**Duchesne** 13. STATE  
**UT**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY  
OR LEASE LINE, FT. (Also to  
**Approx. 1923' f/lse line & 3357' f/unit line**  
16. NO. OF ACRES IN LEASE  
**600.00**  
17. NO. OF ACRES ASSIGNED TO THIS WELL  
**40**  
18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL,  
DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.  
**Approx. 1410'**  
19. PROPOSED DEPTH  
**6500'**  
20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5592.6' GR**

22. APPROX. DATE WORK WILL START\*  
**1st Quarter 2002**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.  
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Marlene Cozies TITLE Permit Clerk DATE 1/29/02  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Howard R. Cozies TITLE \_\_\_\_\_

Assistant Field Manager  
Mineral Resources

DATE 05/10/2002

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

MAY 16 2002

DIVISION OF  
OIL, GAS AND MINING

DCOMA

APD POSTED 01/31/02

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Inland Production Company.

Well Name & Number: Jonah 6-14-9-16

Lease Number: U-096547

API Number: 43-013-32337

Location: SENW Sec. 14 T.9S R. 16E

Agreement: Jonah Unit

**For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.**

---



### **CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease that would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

**SURFACE USE PROGRAM**

Conditions of Approval (COA)

Inland Production Company - Well No. 5-14-9-16, 6-14-9-16 & 7-14-9-16

Plans For Reclamation Of Location:

1. All seeding for reclamation operations at these locations shall use the following seed mixture:

galleta grass	Hilaria jamesii	3 lbs/acre
shadscale	Atriplex confertifolia	3 lbs/acre
Gardners salt bush	Atriplex gardneri	3 lbs/acre
Indian rice grass	Oryzopsis hyemoides	3 lbs/acre

2. If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.
3. Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

Other Information:

1. If any the location is a producing oil well the pumping unit motor will be equipped with a "hospital type" muffler or a multi-cylinder engine.

Due to potential paleontological resources during construction of the access road, well location, and reserve pit, for well No. 5-14-9-17 a qualified paleontologist acceptable to the authorized officer of the Vernal Field Office will monitor for fossil discovery. If fossils are located work will discontinue until a determination is made to record fossils finds or salvage fossils.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

005

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1882 FNL 1923 FWL SE/NW Section 14, T9S R16E

5. Lease Designation and Serial No.

U-096547

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

JONAH

8. Well Name and No.

JONAH 6-14-9-16

9. API Well No.

43-013-32337

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTA

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Permit Extension

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland Production Company requests to extend the permit to drill this well for one year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 02-13-03  
By: [Signature]

RECEIVED

FEB 04 2003

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR  
Date: 02-14-03  
Initials: CTD

14. I hereby certify that the foregoing is true and correct

Signed

Mandie Crozier  
Mandie Crozier

Title

Permit Clerk

Date

2/3/03

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

013

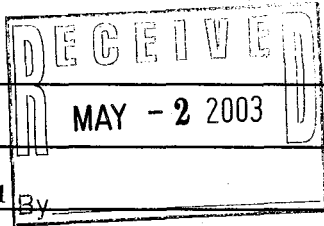
SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other



2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1882 FNL 1923 FWL SE/NW Section 14, T9S R16E

5. Lease Designation and Serial No.

U-096547

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

JONAH

8. Well Name and No.

JONAH 6-14-9-16

9. API Well No.

43-013-32337

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Permit Extension

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*.

Inland Production Company requests to extend the Permit to Drill this well for one year.

CONDITIONS OF APPROVAL ATTACHED RECEIVED  
MAY 28 2003  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Mandie Crozier Title Regulatory Specialist Date 5/1/2003  
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by Kirk Fulwood Title Petroleum Engineer Date 5/6/03

Conditions of approval, if any:

CC: Utah DOGM

UDOGM

Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Inland Production Company  
APD Extension

Well: Jonah 6-14-9-16

Location: SENW Sec. 14, T9S, R16E

Lease: U-096547

**Conditions of Approval**

An extension for the referenced APD is granted with the following conditions:

1. The extension will expire May 10, 2004
2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood at (435) 781-4486.

**DIVISION OF OIL, GAS AND MINING****SPUDDING INFORMATION**Name of Company: INLAND PRODUCTION COMPANYWell Name: JONAH 6-14-9-16Api No: 43-013-32337 Lease Type: FEDERALSection 14 Township 09S Range 16E County DUCHESNEDrilling Contractor LEON ROSS RIG # 14**SPUDDED:**Date 06/09/03Time 8:00 AMHow DRY**Drilling will commence:** \_\_\_\_\_Reported by PAT WISENERTelephone # 1-435-823-7468Date 06/10/2003 Signed: CHD



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: **INLAND PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N5160**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
<b>B</b>	<b>99999</b>	<b>11492</b>	<b>43-013-32337</b>	<b>Jonah #6-14-9-16</b>	<b>SE/NW</b>	<b>14</b>	<b>9S</b>	<b>16E</b>	<b>Duchesne</b>	<b>June 9, 2003</b>	<b>6/11/03</b>
WELL 1 COMMENTS:											
<b>E</b>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/95)

*Kebbie S. Jones*  
Signature

Kebbie S. Jones

Production Clerk  
Title

June 10, 2003

RECEIVED

JUN 10 2003

DIV. OF OIL, GAS & MINING



December 16, 2003

State of Utah, Division of Oil, Gas and Mining  
Attn: Ms. Carol Daniels  
P.O. Box 145801  
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels  
Re: Completion reports

Dear Ms. Carol Daniels

Enclosed are the preliminary completion reports for the wells spud more than 4 months ago, but not reported as completed.

Inland Resources intends to drill and complete most of the wells on this list in the year 2004. At that time, I will be sending to you the final completion reports for these wells.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,

Brian Harris  
Engineering Tech

RECEIVED  
DEC 22 2003  
DIV. OF OIL, GAS & MINING



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Jonah 6-14-9-16	Garden Gulch Mkr Garden Gulch 1 Garden Gulch 2 Point 3 Mkr X Mkr Y-Mkr Douglas Creek Mkr BiCarbonate Mkr B Limestone Mkr Castle Peak Basal Carbonate Total Depth (LOGGERS)		

**Wells Spudded More than 4 Months Ago But Not Yet Reported As Completed**

Well Name			Twp-Rng-Sec		API Number		Spud Date
S WELLS DRAW 13-3-9-16			09S 16E 03		4301332106		9/22/2000
LONE TREE 10-16-9-17			09S 17E 16		4301332087		2/5/2001
LONE TREE 15-16-9-17			09S 17E 16		4301332089		2/7/2001
LONE TREE 16-16-9-17			09S 17E 16		4301332150		2/13/2001
ODEKIRK SPRINGS 15-35-8-17			08S 17E 35		4304733550		4/11/2001
GBU 1-34-8-17			08S 17E 34		4301332252		8/12/2001
GBU 7-34-8-17			08S 17E 34		4301332257		8/30/2001
ASHLEY 2-11-9-15			09S 15E 11		4301332214		10/24/2001
S WELLS DRAW 14-3-9-16			09S 16E 03		4301332139		2/18/2002
S WELLS DRAW 11-3-9-16			09S 16E 03		4301332138		2/19/2002
ASHLEY 7-11-9-15			09S 15E 11		4301332215		7/8/2002
JONAH 4-11-9-16			09S 16E 11		4301332279		1/2/2003
GBU 10-26-8-17			08S 17E 26		4304734309		1/29/2003
GBU 2-26-8-17			08S 17E 26		4304734163		4/29/2003
JONAH 7-14-9-16			09S 16E 14		4301332338		5/12/2003
<b>JONAH 6-14-9-16</b>			<b>09S 16E 14</b>		<b>4301332337</b>		<b>6/9/2003</b>
JONAH 5-14-9-16			09S 16E 14		4301332336		6/11/2003
LONE TREE U 8-16-9-17			09S 17E 16		4301332311		7/15/2003
HUMPBAC FED 9-24-8-17			08S 17E 24		4304734881		7/21/2003
LONE TREE U 7-16-9-17			09S 17E 16		4301332310		7/25/2003

RECEIVED

DEC 22 2003

DIV. OF OIL, GAS & MINING

(June 1990)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

009

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

U-096547

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

JONAH

8. Well Name and No.

JONAH 6-14-9-16

9. API Well No.

43-013-32337

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well    ☐ Gas Well    ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1882 FNL 1923 FWL SE/NW Section 14, T9S R16E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Weekly Status Report**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On 2-25-03. MIRU Patterson # 155. Set equipment. Pressure test Bop's, Kelly, & TIW to 2,000 psi. Test 85/8" csgn to 1,500 psi. Vernal BLM office was notified of test. PU BHA and tag cement @ 260'. Drill out cement & shoe. Continue to drill a 77/8" hole with fresh water to a depth of 5890'. Lay down drill string, BHA. Open hole log from TD to surface. PU & MU guide shoe, 1 jt 51/2" J-55 15.5 # csgn. Float collar, & 136 Jt's 51/2" J-55 15.5# csgn. Set @ 5852' KB. Cement with 320 sks Prem Lite II w/ 3% KCL, 8 % Gel, 5#"s sk CSE, 3#"s sk Kolseal, .8% Sms, 1/2# sks Celloflake. Mixed @ 11.0 ppg, >3.42 yld. Followed by 450 sks 50/50 Poz w/ 3% KCL, 2% Gel, .05% Static free, 1/2# sk Celloflake. Mixed @ 14.4 ppg, > 1.24 yld. Returned 30 bbbbs cement to pit. Nippel down BOP's. Drop slips @ 77,000 # 's tension. Clean pit's & release rig on 3-1-04

14. I hereby certify that the foregoing is true and correct

Signed

Pat Wisener

Title

Drilling Foreman

Date

3/1/2004

Pat Wisener

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

RECEIVED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MAR 02 2004

DIV. OF OIL, GAS &amp; MINING



# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5852.52

Flt cllr @ 5830'

OPERATOR Inland Production Company

WELL Jonah Fed 6-14-9-16

FIELD/PROSPECT Monument Butte

CONTRACTOR & RIG # Patterson 155

LAST CASING 8 5/8" SET AT 310.71'

DATUM 12.5 KB

DATUM TO CUT OFF CASING 12.5

DATUM TO BRADENHEAD FLANGE

TD DRILLER 5890 LOGGER 5874'

HOLE SIZE 7 7/8"

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		5.04 4122.65' short jt					
136	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5818.77
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	20
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5854.02
TOTAL LENGTH OF STRING		5854.02	137	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12.5
PLUS FULL JTS. LEFT OUT		122.88	3	CASING SET DEPTH			<b>5852.52</b>
TOTAL		5961.65	140	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		5961.65	140				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		8:00am		GOOD CIRC THRU JOB <u>yes</u>			
CSG. IN HOLE		11:00am		Bbls CMT CIRC TO SURFACE <u>30 bbls</u>			
BEGIN CIRC		11:15am	12:30pm	RECIPROCATED PIPE FOR <u>THRUSTROKE</u>			
BEGIN PUMP CMT		12:43pm	1:09pm	DID BACK PRES. VALVE HOLD ? <u>yes</u>			
BEGIN DSPL. CMT		1:38pm		BUMPED PLUG TO <u>2112</u> PSI			
PLUG DOWN		2:01pm					

**MAR 02 2004**

DIV. OF OIL, GAS & MINING

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	320	Prem-lite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE Pat Wisener

DATE 2/29/2004

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1882 FNL 1923 FWL

SE/NW Section 14 T9S R16E

5. Lease Serial No.

UTU72086A

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

JONAH 6-14-9-16

9. API Well No.

4301332337

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work was performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation requires multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status Report for time period 3/9/04-3/19/04

Subject well had completion procedures initiated in the Green River formation on 3/9/2004 without the use of a service rig over the well. A cement bond log was run and a total of five Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1: (4986-5018') 2 JSPF; Stage #2: (4898-4906') 4 JSPF; Stage #3: (4803-4811'), (4762-4768') both 4 JSPF; Stage #4: (4685-4695') 4 JSPF; Stage #5: (4047-4055') 4 JSPF. Composite flow-through frac plugs were used between the stages. Fracs were flowed back through chokes. A service rig was moved over well on 3/12/04. Bridge plugs were drilled out and well was cleaned to PBTD @ 5832'. Zones were swab tested for sand cleanup. A BHA and production tubing were run and anchored in well. End of tubing string @ 5044'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 3/19/2004.

**RECEIVED**

**MAR 25 2004**

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Matthew Richmond

Title

Production Clerk

Signature

Date

3/24/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**014** **SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1882 FNL 1923 FWL SE/NW Section 14, T9S R16E**

5. Lease Designation and Serial No.

**U-096547**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**JONAH**

8. Well Name and No.

**JONAH 6-14-9-16**

9. API Well No.

**43-013-32337**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT**

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☒ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

**RECEIVED**  
**APR 16 2004**  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

*Mandie Crozier*  
Mandie Crozier

Title

Regulatory Specialist

Date

4/14/2004

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

# Inland Resources Inc.

---

April 22, 2004

State of Utah, Division of Oil, Gas and Mining  
Attn: Ms. Carol Daniels  
P.O. Box 145801  
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels

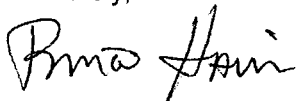
Jonah 6-14-9-16 (43-013-32337)  
Duchesne County, Utah

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Pat Grissom of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,



Brian Harris  
Engineering Tech

Enclosures

cc: Bureau of Land Management  
Vernal District Office, Division of Minerals  
Attn: Edwin I. Forsman  
170 South 500 East  
Vernal, Utah 84078

Well File – Denver  
Well File – Roosevelt  
Patsy Barreau/Denver  
Bob Jewett/Denver  
Matt Richmond/Roosevelt

**RECEIVED**

**APR 26 2004**

DIV. OF OIL, GAS & MINING

011

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

## 1a. TYPE OF WORK

OIL  
WELL ☒GAS  
WELL ☐DRY ☐

Other \_\_\_\_\_

## 1b. TYPE OF WELL

NEW  
WELL ☒WORK  
OVER ☐DEEPEN ☐PLUG  
BACK ☐DIFF  
RESVR. ☐

Other \_\_\_\_\_

## 2. NAME OF OPERATOR

INLAND RESOURCES INC.

## 3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

## 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface

1882' FNL &amp; 1923' FWL (SE NW) Sec. 14, T9S, R17E

At top prod. Interval reported below

At total depth

14. API NO.

43-013-32337

DATE ISSUED

2/14/2002

15. DATE SPUDDED  
6/10/200316. DATE T.D. REACHED  
2/28/200417. DATE COMPL. (Ready to prod.)  
3/19/200418. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
5593' GL12. COUNTY OR PARISH  
Duchesne13. STATE  
UT

20. TOTAL DEPTH, MD &amp; TVD

5890'

21. PLUG BACK T.D., MD &amp; TVD

5832'

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY  
----->

ROTARY TOOLS

X

CABLE TOOLS

## 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4047'-5018'

25. WAS DIRECTIONAL  
SURVEY MADE

No

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

## 23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	311'	12-1/4"	To surface with 150 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5853'	7-7/8"	320 sx Premlite II and 450 sx 50/50 Poz	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5044'	TA @ 4941'

## 31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(A3) 4986-5018'	.038	4/64	4986'-5018'	Frac w/ 105,000# 20/40 sand in 855 bbls fluid.
(A.5) 4898'-4906'	.038	4/32	4989'-4906'	Frac w/ 20,600# 20/40 sand in 249 bbls fluid.
(B.5,2) 4762-4768', 4803-4811'	.038	4/56	4762'-4811'	Frac w/ 58,60# 20/40 sand in 464 bbls fluid.
(C-sd) 4685'-4695'	.038	4/40	4685'-4695'	Frac w/ 53,600# 20/40 sand in 449 bbls fluid.
(GB6) 4047'-4055'	.038	4/32	4047'-4055'	Frac w/ 27,989# 20/40 sand in 268 bbls fluid.

## 33.\* PRODUCTION

DATE FIRST PRODUCTION 3/19/2004		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 147	GAS--MCF. 140	WATER--BBL. 9		GAS-OIL RATIO 952
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS--MCF.	WATER--BBL.		OIL GRAVITY (API CORR.)	

## 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold &amp; Used for Fuel

TEST WITNESSED BY

## 35. LIST OF ATTACHMENTS

DIV. OF OIL, GAS &amp; MINING

## 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Brian Harris

TITLE

Engineering Technician

DATE

4/22/2004

BDH

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Jonah 6-14-9-16	Garden Gulch Mkr	3514'	
				Garden Gulch 1	3711'	
				Garden Gulch 2	3830'	
				Point 3 Mkr	4099'	
				X Mkr	4345'	
				Y-Mkr	4378'	
				Douglas Creek Mkr	4500'	
				BiCarbonate Mkr	4733'	
				B Limestone Mkr	4852'	
				Castle Peak	5348'	
				Basal Carbonate	5794'	
				Total Depth (LOGGERS)	5890'	



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State



ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

## OPERATOR CHANGE WORKSHEET

012

Change of Operator (Well Sold)

Designation of Agent/Operator

## ROUTING

1. GLH

2. CDW

3. FILE

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2004

**FROM:** (Old Operator):

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO:** ( New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.

Unit:

JONAH (GREEN RIVER)

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
JONAH FED 1-11	11	090S	160E	4301332157	11492	Federal	WI	A	
JONAH FED 2-11	11	090S	160E	4301332158	11492	Federal	OW	P	
JONAH FED 3-11	11	090S	160E	4301332159	11492	Federal	WI	A	
JONAH 4-11-9-16	11	090S	160E	4301332279	11492	Federal	OW	P	
JONAH UNIT 4-12	12	090S	160E	4301332180	11492	Federal	OW	P	
JONAH FED 9-12-9-16	12	090S	160E	4301332430	11492	Federal	OW	P	K
JONAH FED 16-12-9-16	12	090S	160E	4301332431	11492	Federal	OW	P	K
JONAH FED 15-12-9-16	12	090S	160E	4301332627		Federal	OW	APD	K
JONAH UNIT 8-14-9-16	14	090S	160E	4301332054	11492	Federal	OW	P	
JONAH 5-14-9-16	14	090S	160E	4301332336	11492	Federal	OW	P	K
JONAH 6-14-9-16	14	090S	160E	4301332337	11492	Federal	OW	P	K
JONAH 7-14-9-16	14	090S	160E	4301332338	11492	Federal	OW	P	K
JONAH FED 9-14-9-16	14	090S	160E	4301332661		Federal	OW	APD	K
JONAH FED 10-14-9-16	14	090S	160E	4301332662		Federal	OW	APD	K
JONAH 8-7	07	090S	170E	4301331989	11492	Federal	WI	A	

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

#### DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

#### FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

#### INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

#### FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The FORMER operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

#### LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

#### COMMENTS:

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



June 3, 2010

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Jonah #6-14-9-16  
Monument Butte Field, Lease #UTU-096547  
Section 14-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Jonah #6-14-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg".

Eric Sundberg  
Regulatory Lead

**RECEIVED**  
**JUN 08 2010**  
**DIV. OF OIL, GAS & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**JONAH #6-14-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-096547**  
**JUNE 3, 2010**

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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

Well Name and number: <u>Jonah 6-14-9-16</u>	
Field or Unit name: <u>Monument Butte (Green River)</u>	Lease No. <u>UTU-096547</u>
Well Location: QQ <u>SE/NW</u> section <u>14</u> township <u>9S</u> range <u>16E</u> county <u>Duchesne</u>	
Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]	
Will the proposed well be used for:	
Enhanced Recovery? . . . . .	Yes [ X ] No [ ]
Disposal? . . . . .	Yes [ ] No [ X ]
Storage? . . . . .	Yes [ ] No [ X ]
Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]	
If this application is for an existing well,	
has a casing test been performed on the well? . . . . . Yes [ ] No [ X ]	
Date of test: _____	
API number: <u>43-013-32337</u>	
Proposed injection interval: from <u>3829</u> to <u>5832</u>	
Proposed maximum injection: rate <u>500 bpd</u> pressure <u>1804</u> psig	
Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.	
<div style="border: 1px solid black; padding: 5px; text-align: center;">IMPORTANT: Additional information as required by R615-5-2 should accompany this form.</div>	
List of Attachments: <u>Attachments "A" through "H-1"</u>	
I certify that this report is true and complete to the best of my knowledge.	
Name: <u>Eric Sundberg</u>	Signature <u></u>
Title <u>Regulatory Lead</u>	Date <u>6/3/10</u>
Phone No. <u>(303) 893-0102</u>	
(State use only)	
Application approved by _____	Title _____
Approval Date _____	
Comments:	

# Jonah 6-14-9-16

Spud Date: 6/10/03  
Put on Production: 3/19/04

GL: 5593' KB:5605'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT 24#  
LENGTH 7 jts (300 71')  
DEPTH LANDED 310.71' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 150 sxs Class "G" cmt, est 3 bbls cmt to surf.

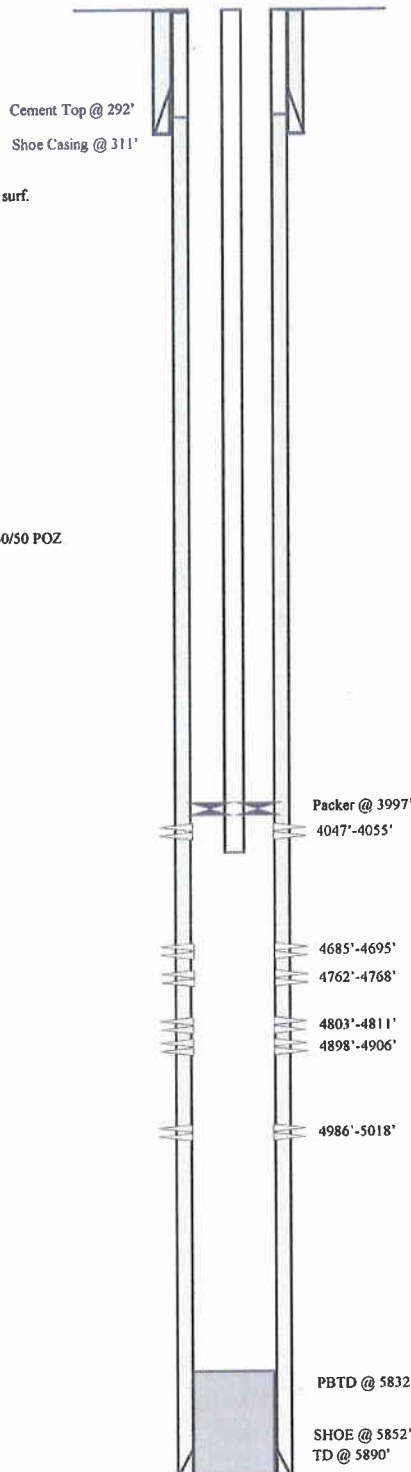
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT 15.5#  
LENGTH 137 jts (5854 02')  
DEPTH LANDED: 5852 52' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA 320 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT 292'

## TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 150 jts (4929 09')  
TUBING ANCHOR 4941 59' KB  
NO OF JOINTS 1 jts (33 02')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 4977 41' KB  
NO OF JOINTS: 2 jts (65 08')  
TOTAL STRING LENGTH: EOT @ 5044.04' w/12 5 KB

## Proposed Injection Wellbore Diagram



Initial Production: 147 BOPD,  
140 MCFD, 9 BWPD

## FRAC JOB

3/11/04	4986'-5018'	<b>Frac A3 sands as follows:</b> 105,000# 20/40 sand in 855 bbls Lightning 17 fluid Treated @ avg press of 2160 psi w/avg rate of 24 7 BPM ISIP 2600 psi Calc flush: 4984 gal Actual flush 4977 gal
3/13/04	4898'-4906'	<b>Frac A.5 sands as follows:</b> 20,600# 20/40 sand in 249 bbls Lightning 17 fluid Treated @ avg press of 2825 psi w/avg rate of 24 7 BPM ISIP 2360 psi Calc flush: 4896 gal Actual flush: 4893 gal
3/13/04	4762'-4811'	<b>Frac B2 and B.5 sands as follows:</b> 58,600# 20/40 sand in 464 bbls Lightning 17 fluid Treated @ avg press of 2080 psi w/avg rate of 24 7 BPM ISIP 1975 psi Calc flush: 4760 gal Actual flush 4759 gal
3/16/04	4685'-4695'	<b>Frac C sands as follows:</b> 53,600# 20/40 sand in 449 bbls Lightning 17 fluid Treated @ avg press of 2810 psi w/avg rate of 24 4 BPM ISIP 2230 psi Calc flush: 4683 gal Actual flush 4683 gal
3/16/04	4047'-4055'	<b>Frac GB6 sands as follows:</b> 27,989# 20/40 sand in 268 bbls Lightning 17 fluid Treated @ avg press of 1685psi w/avg rate of 24 7 BPM ISIP 1830 psi Calc flush: 4045 gal Actual flush 3960 gal

## PERFORATION RECORD

3/09/04	4986'-5018'	2 JSPF	64 holes
3/13/04	4898'-4906'	4 JSPF	32 holes
3/13/04	4803'-4811'	4 JSPF	32 holes
3/13/04	4762'-4768'	4 JSPF	24 holes
3/13/04	4685'-4695'	4 JSPF	40 holes
3/16/04	4047'-4055'	4 JSPF	32 holes



Jonah 6-14-9-16  
1882' FNI. & 1923 FWL  
SENW Section 14-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32337; Lease #UTU-096547

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Jonah #6-14-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Jonah #6-14-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3829' - 5832'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3512' and the TD is at 5890'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Jonah #6-14-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-096547) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 311' KB, and 5-1/2", 15.5# casing run from surface to 5853' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.



**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1804 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Jonah #6-14-9-16, for existing perforations (4047' - 5018') calculates at 0.89 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1804 psig. We may add additional perforations between 3512' and 5890'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Jonah #6-14-9-16, the proposed injection zone (3829' - 5832') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-19.

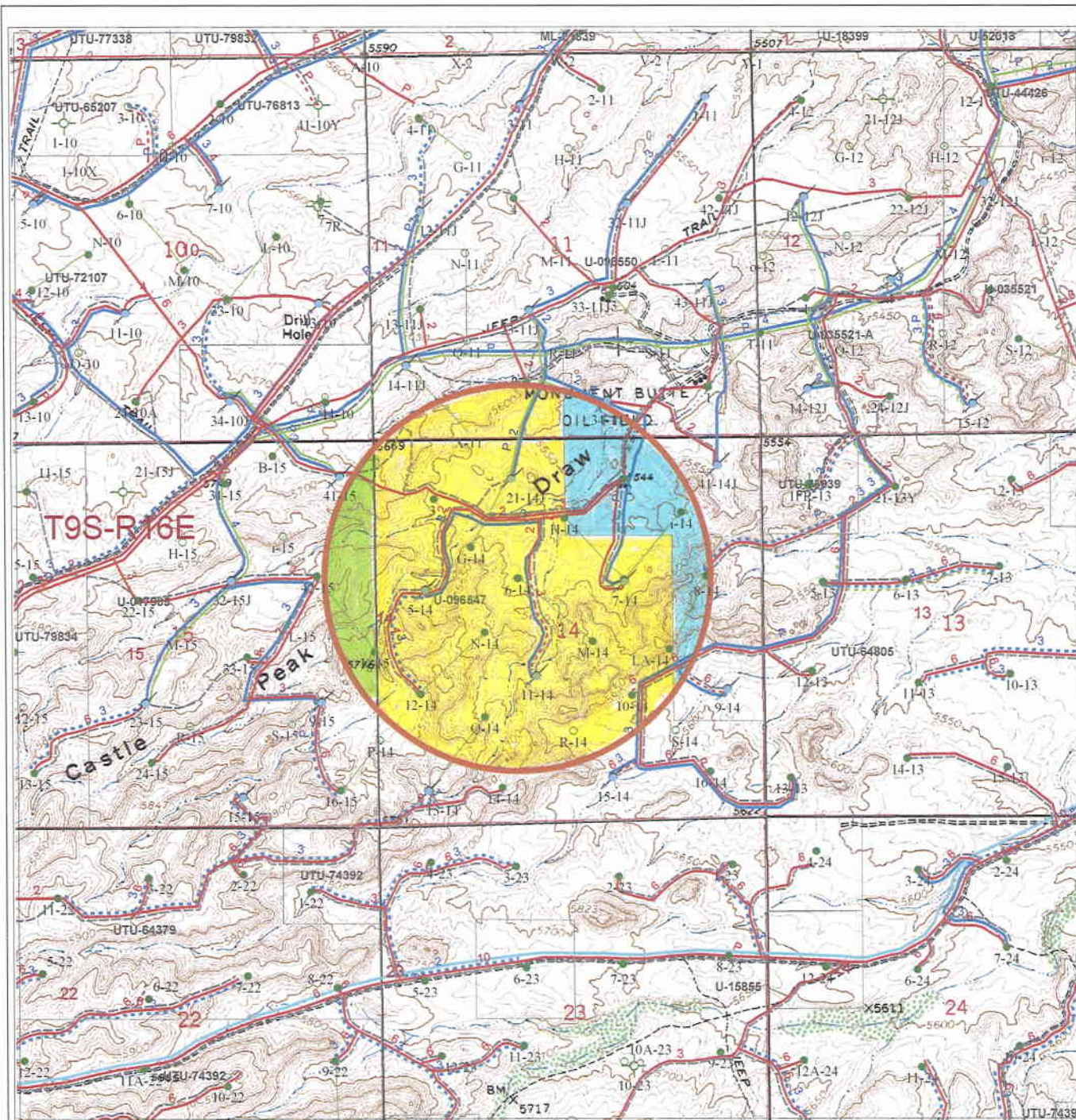
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



- Well Status**
- Location
  - CTI
  - Surface Spud
  - Drilling
  - Waiting on Completion
  - Producing Oil Well
  - Producing Gas Well
  - Water Injection Well
  - Dry Hole
  - Temporarily Abandoned
  - Plugged & Abandoned
  - Shut In
- Injection system**
- high pressure
  - low pressure
  - proposed
  - return
  - return proposed
- Leases**
- Mining tracts
- Gas Pipelines**
- Gathering lines
  - Proposed lines
- 6-14-9-16 1/2mile radius

UTU-096547

UTU-017985

UTU-096550

# Attachment A

Jonah 6-14-9-16  
Section 14, T9S-R16E



1/2 Mile Radius Map  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

February 24, 2010

**T9S, R16E, S.L.B.&M.**

S89°59'W - 79.78 (G.L.O.)

2632.13' (Measured)

S89°59'W G.L.O. (Basis of Bearings)

S89°58'52"W - 2625.45' (Meas.)

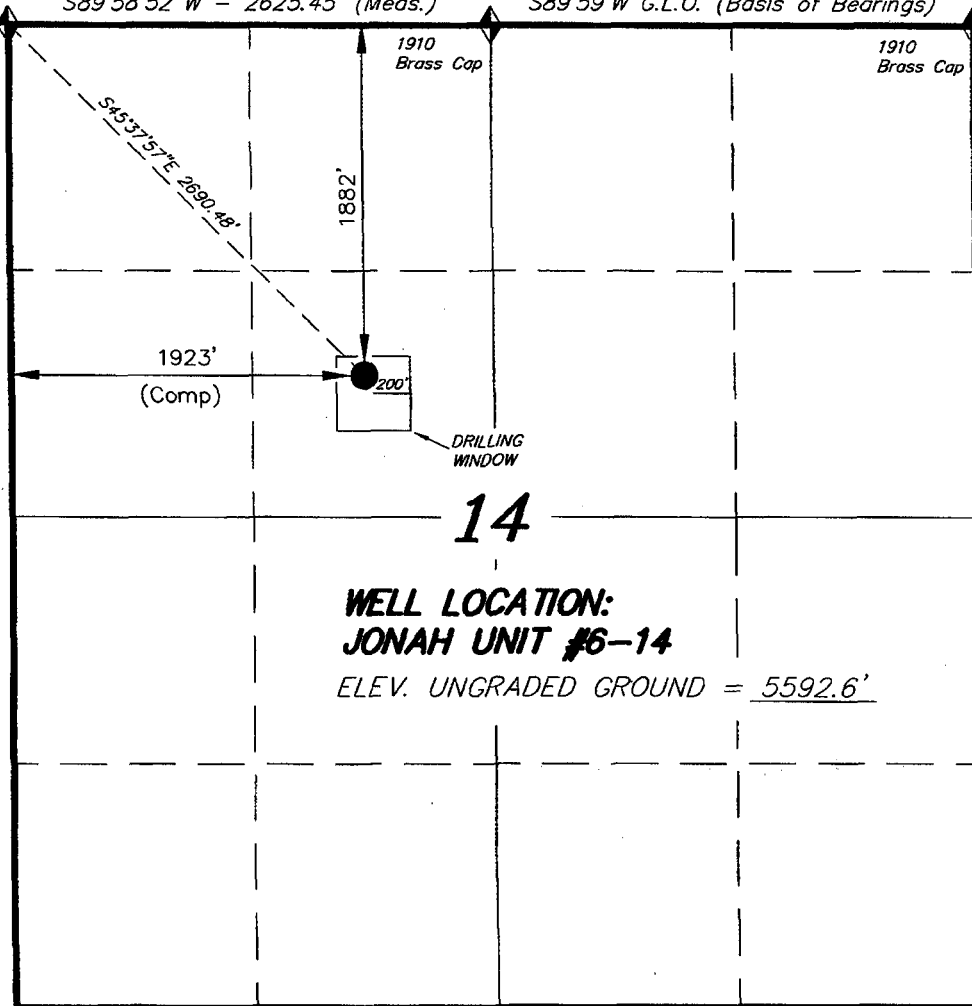
1910  
Brass Cap

1910  
Brass Cap

1910  
Brass Cap

N0°01'W (G.L.O.)

N0°01'W (G.L.O.)



S89°544'W - 79.82 (G.L.O.)

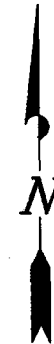
◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

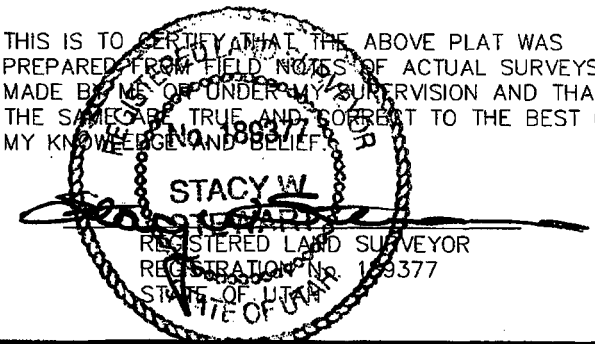
**INLAND PRODUCTION COMPANY**

WELL LOCATION, JONAH UNIT #6-14,  
LOCATED AS SHOWN IN THE SE 1/4 NW  
1/4 OF SECTION 14, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.

Attachment A-1



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 11-23-01	DRAWN BY: J.R.S.
NOTES:	FILE #



## EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	<u>Township 9 South, Range 16 East SLM</u> Section 11: W2SW, SESW Section 14: W2, SWNE, W2SE, SESE	USA UTU-096547 HBP	Newfield Production Company Newfield RMI LLC	USA
2	<u>Township 9 South, Range 16 East SLM</u> Section 10: S2SE Section 15: E2, E2W2	USA UTU-017985 HBP	Newfield Production Company Newfield RMI LLC	USA
3	<u>Township 9 South, Range 16 East SLM</u> Section 11: E2, NW, NESW Section 12: NW Section 14: N2NE, SENE, NESE	USA UTU-096550 HBP	Newfield Production Company Newfield RMI LLC	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Jonah #6-14-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: \_\_\_\_\_

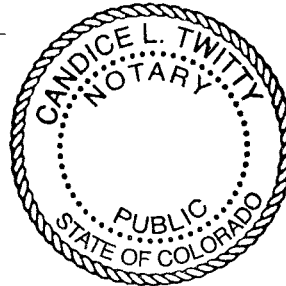
*Eric Sundberg*  
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 3<sup>rd</sup> day of June, 2010.

Notary Public in and for the State of Colorado: \_\_\_\_\_

*Candice L Twitty*

My Commission Expires 02/10/2013  
My Commission Expires: \_\_\_\_\_



## Jonah 6-14-9-16

Spud Date: 6/10/03  
Put on Production: 3/19/04

GL: 5593' KB 5605'

SURFACE CASING

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (300 71')  
DEPTH LANDED 310 71' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 150 sxs Class "G" cmt, est 3 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 1.37 jts (5854.02')  
DEPTH LANDED 5852 52' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 320 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ  
CEMENT TOP AT 292'

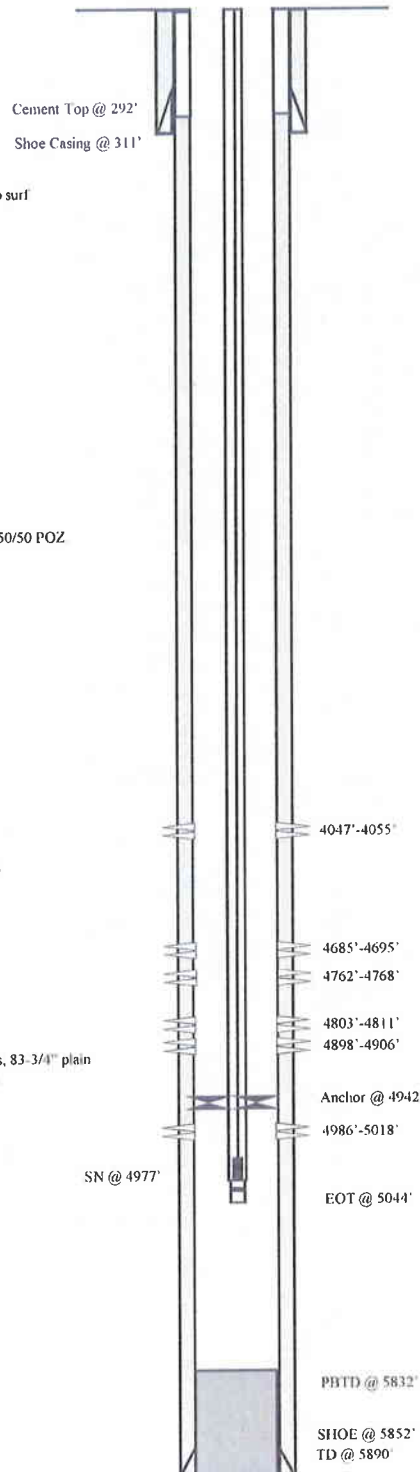
TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 150 jts (4929.09')  
TUBING ANCHOR 4941 59' KB  
NO OF JOINTS 1 jts (33.02')  
SEATING NIPPLE 2-7/8" (1 10')  
SN LANDED AT 4977 41' KB  
NO OF JOINTS 2 jts (65.08')  
TOTAL STRING LENGTH EOT @ 5044 04' w/12.5 KB

SUCKER RODS

POLISHED ROD 1-1/2" x 22'  
SUCKER RODS 6-1 1/2" weight bars, 10-3/4" scraped rods, 83-3/4" plain rods, 99-3/4" scraped rods, 1-8", 1-6", 1-2" x 3/4" pony rods  
PUMP SIZE 2-1/2" x 1-1/2" x 16' RHAC w/ SM Plunger  
STROKE LENGTH 86"  
PUMP SPEED, SPM 6 SPM  
LOGS DIGL/SP/GR/CAL

## Wellbore Diagram



Initial Production: 147 BOPD,  
140 MCFD, 9 BWPD

FRAC JOB

3/11/04	4986'-5018'	Frac A3 sands as follows: 105,000# 20/40 sand in 855 bbls Lightning 17 fluid. Treated @ avg press of 2160 psi w/avg rate of 24.7 BPM. ISIP 2600 psi. Calc flush 4984 gal. Actual flush 4977 gal.
3/13/04	4898'-4906'	Frac A.5 sands as follows: 20,600# 20/40 sand in 249 bbls Lightning 17 fluid. Treated @ avg press of 2825 psi w/avg rate of 24.7 BPM. ISIP 2360 psi. Calc flush 4896 gal. Actual flush 4893 gal.
3/13/04	4762'-4811'	Frac B2 and B.5 sands as follows: 58,600# 20/40 sand in 464 bbls Lightning 17 fluid. Treated @ avg press of 2080 psi w/avg rate of 24.7 BPM. ISIP 1975 psi. Calc flush 4760 gal. Actual flush 4759 gal.
3/16/04	4685'-4695'	Frac C sands as follows: 53,600# 20/40 sand in 449 bbls Lightning 17 fluid. Treated @ avg press of 2810 psi w/avg rate of 24.4 BPM. ISIP 2230 psi. Calc flush 4683 gal. Actual flush 4683 gal.
3/16/04	4047'-4055'	Frac GB6 sands as follows: 27,989# 20/40 sand in 268 bbls Lightning 17 fluid. Treated @ avg press of 1685 psi w/avg rate of 24.7 BPM. ISIP 1830 psi. Calc flush 4045 gal. Actual flush 3960 gal.

PERFORATION RECORD

3/09/04	4986'-5018'	2 JSPF	64 holes
3/13/04	4898'-4906'	4 JSPF	32 holes
3/13/04	4803'-4811'	4 JSPF	32 holes
3/13/04	4762'-4768'	4 JSPF	24 holes
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3/16/04	4047'-4055'	4 JSPF	32 holes

NEWFIELD

Jonah 6-14-9-16  
1882' FNL & 1923 FWL  
SENW Section 14-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32337; Lease #UTU-096547



## Jonah Fed Q-14-9-16

Spud Date: 12/6/2008  
 Put on Production: 1/26/2009  
 GL: 5760' KB: 5772'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315')  
 DEPTH LANDED: 327.16' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'g'

**PRODUCTION CASING**

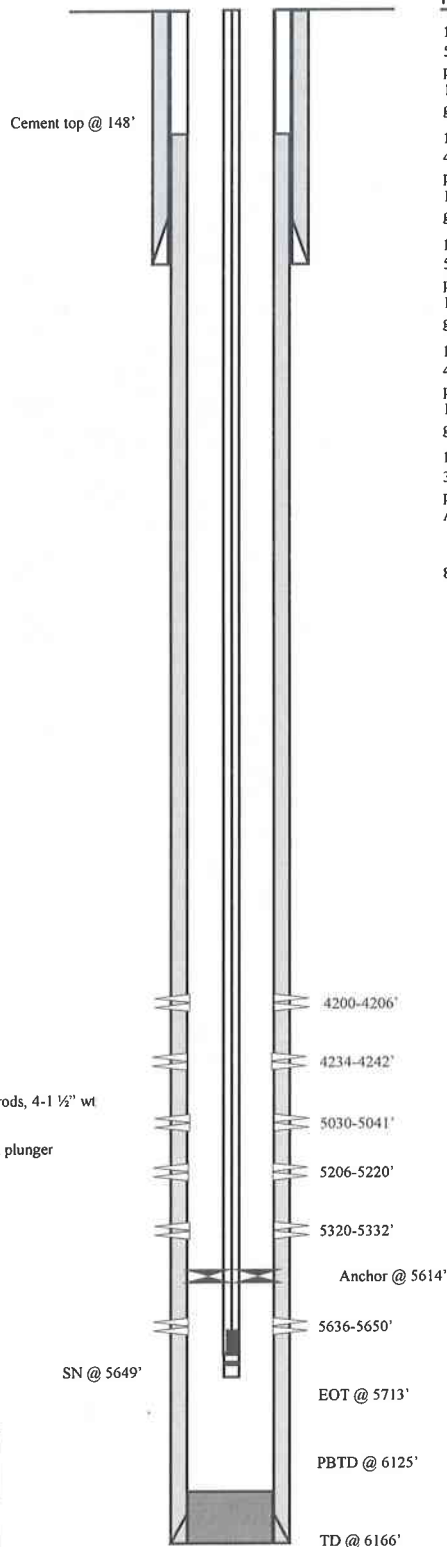
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 160 jts (6351.71')  
 DEPTH LANDED: 6164.10'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx primlite and 400 sx 50/50 poz.  
 CEMENT TOP AT: 148'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 179 jts (5602.17')  
 TUBING ANCHOR: 5614.17' KB  
 NO. OF JOINTS: 1 jt (31.10')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5649.07' KB  
 NO. OF JOINTS: 2 jts (63.21')  
 TOTAL STRING LENGTH: EOT @ 5712.73'

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 26'  
 SUCKER RODS: 2', 2', 6' x 7/8" ponies, 221-7/8" scraped rods, 4-1 1/2" wt bars, shear coupling #21,000  
 PUMP SIZE: CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC pump w/sm plunger  
 STROKE LENGTH: 122"  
 PUMP SPEED, SPM: 4

**Wellbore Diagram****FRAC JOB**

1/14/09 5636-5650' RU BJ & frac CP1 sds as follows:  
 50,262# 20/40 sand in 471 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2162 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2289. Actual flush: 5170 gals.

1/14/09 5320-5332' RU BJ & frac stage #2 sds as follows:  
 40,638# 20/40 sand in 420 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3291 @ ave rate of 26 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2861. Actual flush: 4876 gals.

1/14/09 5206-5220' RU BJ & frac stage #3 sds as follows:  
 55,182# 20/40 sand in 496 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1944 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2459. Actual flush: 4741 gals.

1/14/09 5030-5041' RU BJ & frac stage #4 sds as follows:  
 40,414# 20/40 sand in 408 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1814 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1987. Actual flush: 4523 gals.

1/15/09 4200-4242' RU BJ & frac stage #5 sds as follows:  
 38,064# 20/40 sand in 381 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1964 @ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 2122. Actual flush: 4116 gals.

8/5/09

Parted rods. Updated rod &amp; tubing detail.

**PERFORATION RECORD**

1/15/09	4200-4206'	4 JSPF	24 holes
1/15/09	4234-4242'	4 JSPF	32 holes
1/14/09	5030-5041'	4 JSPF	44 holes
1/14/09	5206-5220'	4 JSPF	56 holes
1/15/09	5320-5332'	4 JSPF	48 holes
1/15/09	5636-5650'	4 JSPF	56 holes

**NEWFIELD****Jonah Q-14-9-16**

478' FSL &amp; 703' FWL

SW/SW Section 14-T9S-R16E

Duchesne Co, Utah

API # 43-013-34041; Lease # UTU-096547

## Jonah Federal 12-14-9-16

Spud Date: 5-28-05  
Put on Production: 7-12-05  
GL: 5682' KB: 5694'

Initial Production: BOPD 118,  
MCFD 7, BWPD 139

Injection Wellbore  
DiagramSURFACE CASING

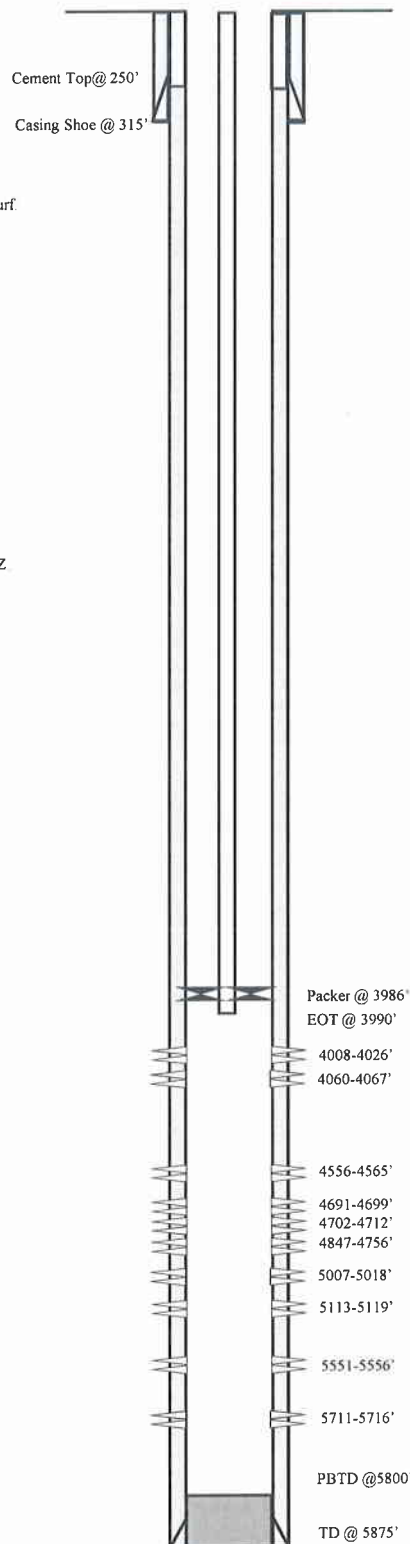
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (302.88')  
DEPTH LANDED: 314.73' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 142 jts (5830.79')  
DEPTH LANDED: 5844.04' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem Lite II & 400 sxs 50/50 POZ  
CEMENT TOP AT: 250'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 122 jts (3969.3')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 3981.3' KB  
CE @ 3985.69'  
TOTAL STRING LENGTH: EOT @ 3990' KB

FRAC JOB

6-30-05	5551-5716'	<b>Frac CP3 &amp; CP5 sand as follows:</b> 25908#'s 20/40 sand in 306 bbls Lightning 17 frac fluid. Treated @ avg press of 1599 psi w/avg rate of 25 BPM ISIP 1775 psi. Calc flush: 5549 gal. Actual flush: 5552 gal.
7-5-05	5007-5119'	<b>Frac A1 &amp; LODC sand as follows:</b> 45,085#'s 20/40 sand in 409 bbls Lightning 17 frac fluid. Treated @ avg press of 1818 psi w/avg rate of 24.9 BPM ISIP 1900 psi. Calc flush: 5005 gal. Actual flush: 4788 gal.
7-6-05		<b>Frac B2</b> Decision was made to skip Stage #3
7-6-05	4691-4712'	<b>Frac C, sand as follows:</b> 99846#'s 20/40 sand in 706 bbls Lightning 17 frac fluid. Treated @ avg press of 1733 psi w/avg rate of 25 BPM ISIP 1750 psi. Calc flush: 4689 gal. Actual flush: 4490 gal.
7-6-05	4556-4565'	<b>Frac D1 sand as follows:</b> 54,984#'s 20/40 sand in 446 bbls Lightning 17 frac fluid. Treated @ avg press of 1773 psi w/avg rate of 25 BPM ISIP 1820 psi. Calc flush: 4554 gal. Actual flush: 4334 gal.
7-6-05	4008-4067'	<b>Frac GB2 &amp; GB4 sand as follows:</b> 60,730#'s 20/40 sand in 457 bbls Lightning 17 frac fluid. Treated @ avg press of 1425 psi w/avg rate of 25 BPM ISIP 1650 psi. Calc flush: 4006 gal. Actual flush: 3901 gal.
8-8-05		<b>Pump Change.</b> Update tubing and rod detail.
7/1/08		<b>Pump Change.</b> Updated rod and tbg detail.
01/26/11		<b>Convert to Injection Well</b>
01/31/11		<b>Conversion MIT</b> - updated tbg detail.

PERFORATION RECORD

6-30-05	5551-5556'	4 JSPF	20 holes
6-30-05	5711-5716'	4 JSPF	20 holes
7-5-05	5007-5018'	4 JSPF	44 holes
7-2-05	5113-5556'	4 JSPF	24 holes
7-6-05	4847-4856'	4 JSPF	36 holes
7-6-05	4691-4699'	4 JSPF	32 holes
7-6-05	4702-4712'	4 JSPF	40 holes
7-6-05	4556-4565'	4 JSPF	36 holes
7-6-05	4060-4067'	4 JSPF	28 holes
7-6-05	4008-4026'	4 JSPF	72 holes

**NEWFIELD**

**Jonah Federal 12-14-9-16**  
1816' FSL & 575' FWL  
NW/SW Section 14-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32682; Lease #UTU-096547

## Jonah Federal 11-14-9-16

Spud Date: 5/25/05  
 Put on Production: 6/24/05  
 GL: 5621' KB: 5633'

Initial Production: 115 BOPD,  
 15 MCFD, 114 BWPD

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (304 17')  
 DEPTH LANDED: 314 17' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

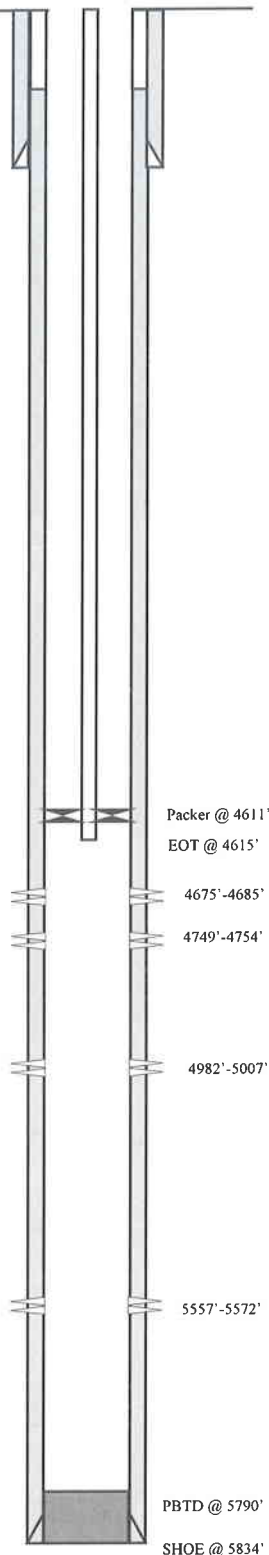
PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts (5835.87')  
 DEPTH LANDED: 5833.87' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT: 140'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 147 jts (4594.85')  
 SN LANDED AT: 110' (4606.85')  
 CE @ 4611.05'  
 TOTAL STRING LENGTH: EOT @ 4615.45' KB

Cement top @ 140'

FRAC JOB

6/20/05	5557'-5572'	<b>Frac CP3 sands as follows:</b> 55,674# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 1748 psi w/avg rate of 25.2 BPM. ISIP 1850 psi. Calc flush: 5555 gal. Actual flush: 5544 gal.
6/20/05	4982'-5007'	<b>Frac A3 sands as follows:</b> 95,489# 20/40 sand in 692 bbls Lightning 17 frac fluid. Treated @ avg press of 2096 psi w/avg rate of 24.9 BPM. ISIP 2330 psi. Calc flush: 4980 gal. Actual flush: 4998 gal.
6/20/05	4675'-4754'	<b>Frac C&amp;B1 sands as follows:</b> 62,157# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 1650 psi w/avg rate of 25 BPM. ISIP 1920 psi. Calc flush: 4673 gal. Actual flush: 4578 gal.
09/12/06		<b>Pump Change.</b> Update rod and tubing details
11/7/06		<b>Convert to Injection Well</b>
11/10/06		<b>MIT Completed</b> - tbg detail updated

PERFORATION RECORD

6/14/05	5557'-5572'	4 JSPF	60 holes
6/20/05	4982'-5007'	4 JSPF	100 holes
6/20/05	4749'-4754'	4 JSPF	20 holes
6/20/05	4675'-4685'	4 JSPF	40 holes

**Jonah Federal 11-14-9-16**

2030' FSL & 2160' FWL  
 NE/SW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32681; Lease #UTU-096547

## Jonah Federal 10-14-9-16

Spud Date: 5-18-05  
Put on Production: 6-23-05  
GL: 5607' KB: 5619'

Initial Production: 55 BOPD,  
22 MCFD, 232 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (303')  
DEPTH LANDED: 314.85' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 137 jts (5796.74')  
DEPTH LANDED: 5809.99' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 310 sxs Prem Lite II & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 90'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO OF JOINTS: 156 jts (5079.07')  
TUBING ANCHOR: 5091.07' KB  
NO OF JOINTS: 2 jts (64.14')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5158.01' KB  
NO OF JOINTS: 2 jts (65.04')  
TOTAL STRING LENGTH: EOT @ 5224.60' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rods  
SUCKER RODS: 1-8", 1-6" & 1-2" 3/4" ponies, 99- 3/4" scraped rods, 90-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weighted rods.  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 14 1/2" RHAC w/ SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED: 4.5 SPM

FRAC JOB

6-15-05 5109-5139' **Frac LODC sand as follows:**  
40770#'s 20/40 sand in 380 bbls Lightning  
17 frac fluid. Treated @ avg press of 3040 psi  
w/avg rate of 24.3 BPM. ISIP 2950 psi. Calc  
flush: 5107 gal. Actual flush: 4872 gal.

6-15-05 4980-5007' **Frac A3 sand as follows:**  
110,559#'s 20/40 sand in 774 bbls Lightning  
17 frac fluid. Treated @ avg press of 1950 psi  
w/avg rate of 24.8 BPM. ISIP 2250 psi. Calc  
flush: 4978 gal. Actual flush: 4746 gal.

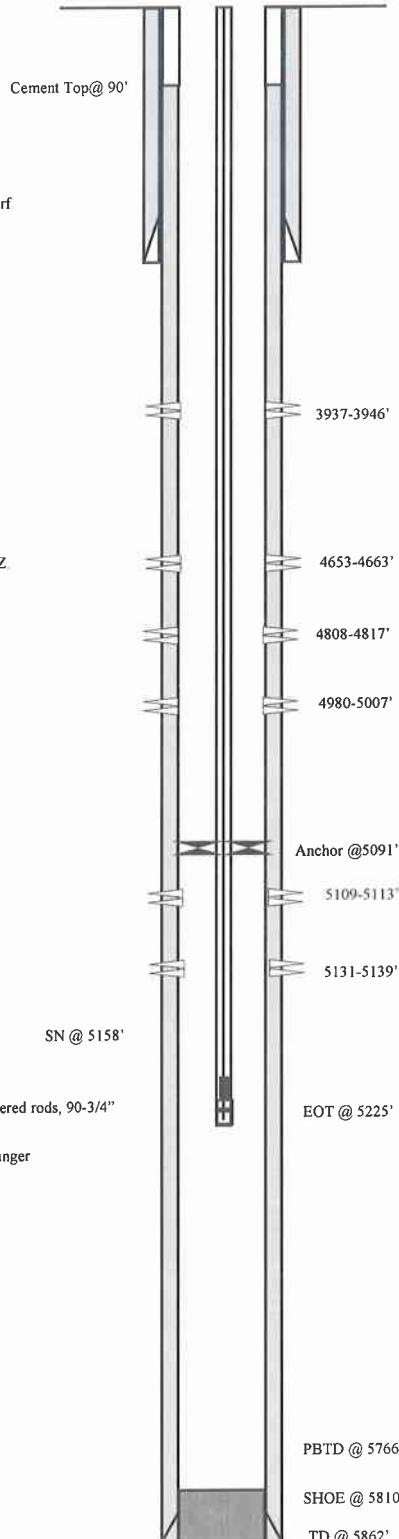
6-16-05 4808-4817' **Frac B2, sand as follows:**  
40877#'s 20/40 sand in 371 bbls Lightning  
17 frac fluid. Treated @ avg press of 2399 psi  
w/avg rate of 25.1 BPM. ISIP 2300 psi. Calc  
flush: 4806 gal. Actual flush: 4536 gal.

6-16-05 3937-3946' **Frac CB2 sand as follows:**  
29376#'s 20/40 sand in 281 bbls Lightning  
17 frac fluid. Treated @ avg press of 1585 psi  
w/avg rate of 14.3 BPM. ISIP 2100 psi. Calc  
flush: 3935 gal. Actual flush: 3864 gal.

04/24/06 Pump Change: Update rod and tubing details.  
6/11/08 Pump Change: Updated rod and tubing detail

PERFORATION RECORD

6-10-05	5109-5113'	4 JSPF	16 holes
6-10-05	5131-5139'	4 JSPF	32 holes
6-13-05	4808-4817'	4 JSPF	36 holes
6-13-05	4980-5007'	4 JSPF	108 holes
6-16-05	3937-3946'	4 JSPF	36 holes
6-16-05	4653-4663'	4 JSPF	40 holes



**Jonah Federal 10-14-9-16**  
1730' FSL & 1820' FEL  
NW/SE Section 14-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32662; Lease #UTU-96547

## Jonah Fed LA-14-9-16

Spud Date: 12/19/2008  
 Put on Production: 1/27/2009  
 GL: 5606' KB: 5618'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315.79')  
 DEPTH LANDED: 326.79' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'g' cmt

**PRODUCTION CASING**

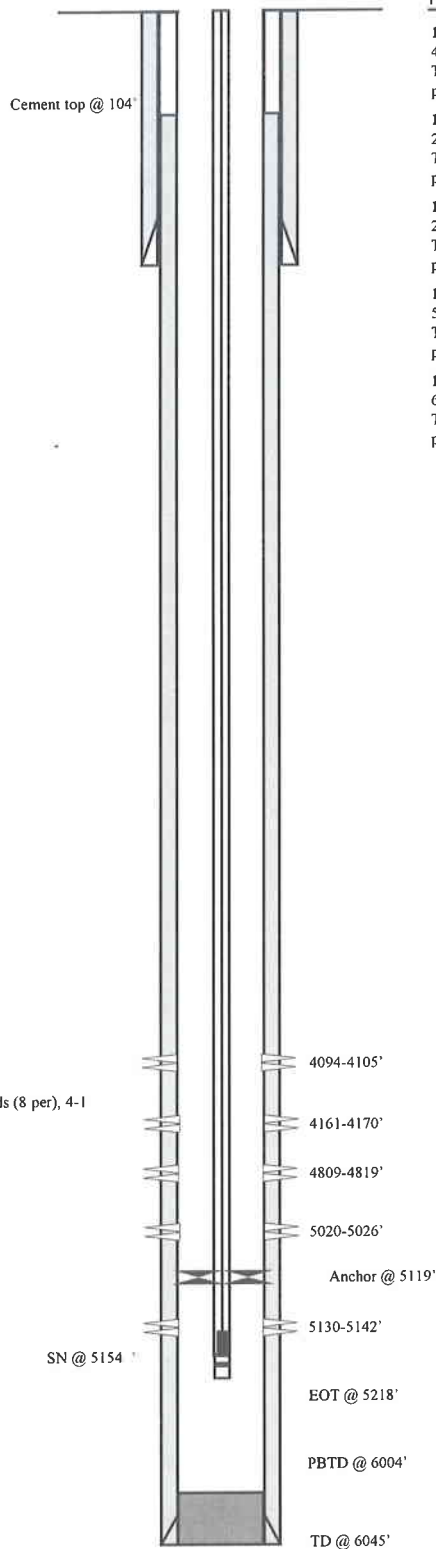
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 158 jts (6228.67')  
 DEPTH LANDED: 6045.44'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx primlite and 415 sx 50/50 poz  
 CEMENT TOP AT: 104'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO OF JOINTS: 162 jts (5107.33')  
 TUBING ANCHOR: 5119.33' KB  
 NO OF JOINTS: 1 jt (31.63')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5153.76' KB  
 NO OF JOINTS: 2 jts (63.12')  
 TOTAL STRING LENGTH: EOT @ 5218.43'

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 1-2', 8' x 7/8" pony subs, 201-7/8" guided rods (8 per), 4-1 1/2" weight bars, shear coupler  
 PUMP SIZE: 1 1/4" x 1 3/4" x 20' RHAC central hydraulic pump  
 STROKE LENGTH: 122"  
 PUMP SPEED, SPM: 5

**Wellbore Diagram****FRAC JOB**

1/20/09 5130-5142' Frac A3 sds as follows:  
 49,252# 20/40 sand in 460 bbls of Lightning 17 fluid Broke @ 2780 psi  
 Treated w/ ave pressure of 2065 psi w/ ave rate of 22.9 BPM ISIP 2290  
 psi. Actual flush: 4624 gals.

1/20/09 5020-5026' Frac A.5 sds as follows:  
 24,711# 20/40 sand in 367 bbls of Lightning 17 fluid Broke @ 4040 psi  
 Treated w/ ave pressure of 2423 psi w/ ave rate of 22.9 BPM ISIP 2411  
 psi. Actual flush: 4515 gals.

1/20/09 4809-4819' Frac C sds as follows:  
 24,955# 20/40 sand in 350 bbls of Lightning 17 fluid Broke @ 3045 psi  
 Treated w/ ave pressure of 2300 psi w/ ave rate of 23.0 BPM ISIP 3472  
 psi. Actual flush: 4221 gals.

1/20/09 4161-4170' Frac GB6 sds as follows:  
 55,178# 20/40 sand in 477 bbls of Lightning 17 fluid Broke @ 3936 psi  
 Treated w/ ave pressure of 1800 psi w/ ave rate of 23.2 BPM ISIP 1734  
 psi. Actual flush: 3738 gals.

1/20/09 4094-4105' Frac GB4 sds as follows:  
 69,186# 20/40 sand in 552 bbls of Lightning 17 fluid Broke @ 2614 psi  
 Treated w/ ave pressure of 2200 psi w/ ave rate of 23.1 BPM ISIP 1915  
 psi. Actual flush: 4007 gals.

**PERFORATION RECORD**

1/20/09	4094-4105'	4 JSPF	44 holes
1/20/09	4161-4170'	4 JSPF	36 holes
1/20/09	4809-4819'	4 JSPF	40 holes
1/20/09	5020-5026'	4 JSPF	24 holes
1/20/09	5130-5142'	4 JSPF	48 holes

**NEWFIELD****Jonah LA-14-9-16**

1906' FNL &amp; 732' FEL

SE/NE Section 14-T9S-R16E

Duchesne Co, Utah

API # 43-013-34164 ; Lease # UTU-096550

## Jonah Federal M-14-9-16

Spud Date: 01/14/2010  
 Put on Production: 02/19/2010  
 GL: 5589' KB: 5601'

## Wellbore Diagram

SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (308 53')  
 DEPTH LANDED 320'  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 145 jts (6028 58')  
 HOLE SIZE 7-7/8"  
 DEPTH LANDED 6041 83'  
 CEMENT DATA 260 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT 80'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 177 jts (5554 3')  
 TUBING ANCHOR 5566'  
 NO OF JOINTS 1 jts (31 4')  
 SEATING NIPPLE 2-7/8" (1 1')  
 SN LANDED AT 5600 6' KB  
 NO OF JOINTS 2 jts (63')  
 TOTAL STRING LENGTH EOT @ 5665'

SUCKER RODS

POLISHED ROD 1-1/2" x 30'  
 SUCKER RODS 1 - 6' x 7/8" pony rods, 219 - 7/8" 8per guided rods,  
 4 - 1 1/2" weight bars  
 PUMP SIZE 2 1/2 x 1 1/2 x 17' x 24' RHAC  
 STROKE LENGTH 144  
 PUMP SPEED 5 SPM

FRAC JOB

02-19-10	5594-5599'	Frac CP2 sands as follows: Frac with 9412# 20/40 sand in 62 bbls Lightning 17 fluid
02-19-10	5120-5130'	Frac A3 sands as follows: Frac with 45196# 20/40 sand in 214 bbls Lightning 17 fluid
02-19-10	4870-4931'	Frac B1 & B2 sands as follows: Frac with 75309# 20/40 sand in 331 bbls Lightning 17 fluid
02-19-10	4125-4133'	Frac GB4 sands as follows: Frac with 24572# 20/40 sand in 151 bbls Lightning 17 fluid
02-19-10	3958-3965'	Frac GB2 sands as follows: Frac with 12499# 20/40 sand in 71 bbls Lightning 17 fluid

Cement Top @ 80'

SN @ 5601'

3958-3965'

4125-4133'

4870-4872'

4877-4879'

4921-4931'

5120-5130'

Anchor @ 5566'

5594-5599'

EOT @ 5665'

PBTD @ 5966'

SHOE @ 6042'  
TD @ 6055'PERFORATION RECORD

5594-5599'	3 JSPF	15 holes
5120-5130'	3 JSPF	30 holes
4921-4931'	3 JSPF	30 holes
4877-4879'	3 JSPF	6 holes
4870-4872'	3 JSPF	6 holes
4125-4133'	3 JSPF	24 holes
3958-3965'	3 JSPF	21 holes

**NEWFIELD**

**Jonah Federal M-14-9-16**  
 1878' FNL & 1949' FWL (SE/NW)  
 Section 14, T9S, R16E  
 Duchesne Co, Utah  
 API # 43-013-33812; Lease # UTU-096547

## Jonah Fed N-14-9-16

Spud Date: 11/10/2008  
 Put on Production: 11/29/2008  
 GL: 5682' KB: 5694'

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (313.61')  
 DEPTH LANDED: 325.46' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx Class 'g' g cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 157 jts (6281.96')  
 DEPTH LANDED: 6137.62'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sx primlite and 425 sx class 'g'  
 CEMENT TOP AT: 136'

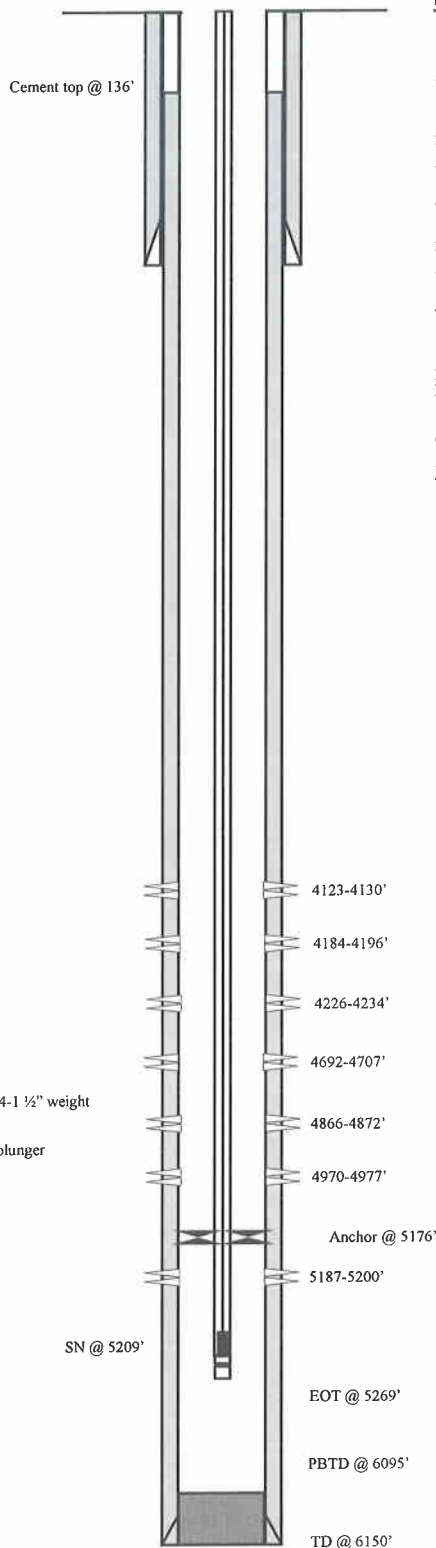
TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO. OF JOINTS: 168 jts (5161.43')  
 TUBING ANCHOR: 5176.13' KB  
 NO. OF JOINTS: 1 jt (30.36')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5208.59' KB  
 NO. OF JOINTS: 2 jts (61.36')  
 TOTAL STRING LENGTH: EOT @ 5269.40'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 2', 8' x 7/8" ponies, 203-7/8" scraped rods, 4-1 1/2" weight bars  
 PUMP SIZE: CDI 2 1/2" x 1 1/2" x 16' x 18' RHAC pump w/sm plunger  
 STROKE LENGTH: 122"  
 PUMP SPEED, SPM: 4

## Wellbore Diagram

FRAC JOB

**12/12/08 5187-5200' Frac A3 sds as follows:**  
 54,910# 20/40 sand in 381 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2380 @ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1379.

**12/17/08 4970-4977' RU BJ & frac B1 sds as follows:**  
 24,046# 20/40 sand in 667 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2400 w/ ave rate of 22 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2107. Actual flush: 4527 gals.

**12/17/08 4866-4872' RU BJ & frac stage #3 sds as follows:**  
 24,952# 20/40 sand in 359 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2506 w/ ave rate of 28 bpm w/ 6 ppg of sand. Spot 6 bbls of 15% HCL acid in flush for next stage. ISIP was 1670. Actual flush: 4670 gals.

**12/18/08 4692-4707' Frac D1 sds as follows:**  
 55,615# 20/40 sand in 492 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1705 psi @ ave rate of 22.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 1924 psi. Actual flush: 4192 gals.

**12/18/08 4123-4234' Frac GB sds as follows:**  
 65,538# 20/40 sand in 570 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1731 psi @ ave rate of 22.2 BPM. ISIP 2036 psi. Actual flush: 4036 gals.

PERFORATION RECORD

12/9/08	4123-4130'	4 JSPF	28 holes
12/9/08	4184-4196'	4 JSPF	48 holes
12/9/08	4226-4234'	4 JSPF	32 holes
12/9/08	4692-4707'	4 JSPF	60 holes
12/10/08	4866-4872'	4 JSPF	24 holes
12/10/08	4970-4977'	4 JSPF	56 holes
12/10/08	5187-5200'	4 JSPF	52 holes

**NEWFIELD****Jonah N-14-9-16**

1823' FSL &amp; 548' FWL

NW/SW Section 14-T9S-R16E

Duchesne Co, Utah

API # 43-013-34011 ; Lease # UTU-096547



## Jonah Fed K-15-9-16

Spud Date: 11/19/08  
Put on Production: 1/6/2009

GL: 5659' KB: 5671'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (312.35')  
DEPTH LANDED: 324.20' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 1 bbls cmt to surf.

**PRODUCTION CASING**

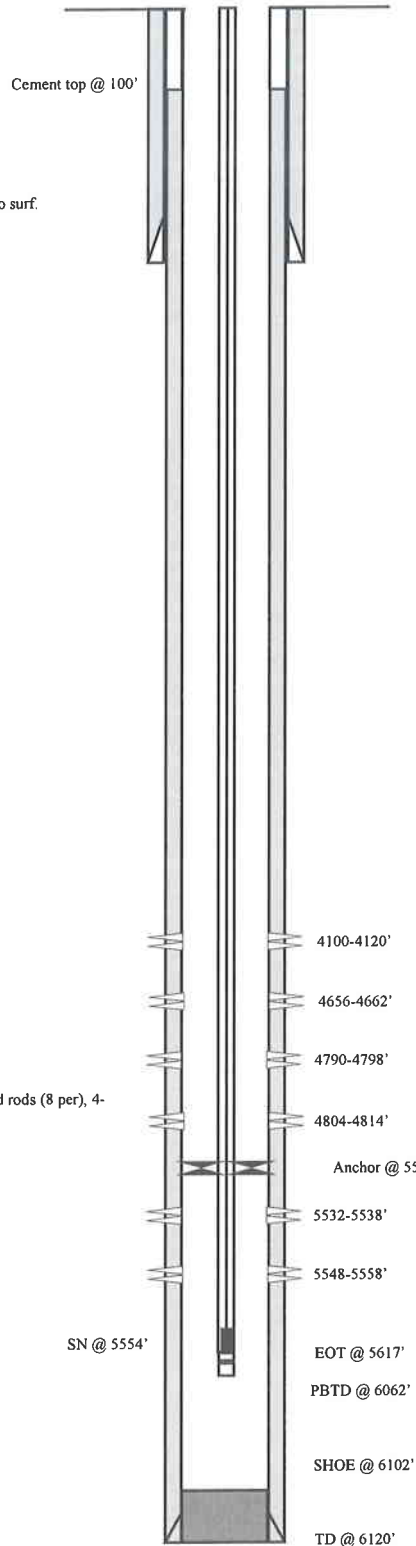
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 159 jts (6088.70')  
DEPTH LANDED: 6101.95'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 280 sx primlite and 400 sx 50/50 poz  
CEMENT TOP AT: 100'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO OF JOINTS: 178 jts (5508.4')  
TUBING ANCHOR: 5520.4' KB  
NO OF JOINTS: 1 jt (31.08')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5554.3' KB  
NO OF JOINTS: 2 jts (62.06')  
TOTAL STRING LENGTH: EOT @ 5617.4'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' polished rod  
SUCKER RODS: 1-2", 6', 8' x 7/8" pony subs, 217-7/8" guided rods (8 per), 4-1 1/2" wt bars  
PUMP SIZE: 2 1/2" x 1 3/4" x 16' x 20" RHAC rod pump-CDI  
STROKE LENGTH: 122"  
PUMP SPEED, SPM: 4

**Wellbore Diagram****FRAC JOB**

12/29/08 5532-5558' Frac CP1 sds as follows:  
40,600#s of 20/40 sand in 653 bbls of Lightning 17 fluid. Broke @ 2970 psi. Treated w/ ave pressure of 1945 psi w/ ave rate of 29.8 BPM. ISIP 2152 psi. Actual flush: 5027 gals.

12/29/08 4790-4814' Frac C sds as follows:  
44,338#s of 20/40 sand in 438 bbls of Lightning 17 fluid. Broke @ 1770 psi. Treated w/ ave pressure of 2065 psi w/ ave rate of 22.8 BPM. ISIP 2226 psi. Actual flush: 4284 gals.

12/29/08 4656-4662' Frac D1 sds as follows:  
24,111#s of 20/40 sand in 340 bbls of Lightning 17 fluid. Broke @ 3208 psi. Treated w/ ave pressure of 2133 psi w/ ave rate of 22.7 BPM. ISIP 2052 psi. Actual flush: 4150 gals.

12/29/08 4100-4120' Frac GB6 sds as follows:  
55,828#s of 20/40 sand in 478 bbls of Lightning 17 fluid. Broke @ 1508 psi. Treated w/ ave pressure of 1706 psi w/ ave rate of 22.8 BPM. ISIP 1891 psi. Actual flush: 4099 gals.

9/18/09

Tubing Leak. Updated rod & tubing details

**PERFORATION RECORD**

12/29/08	4100-4120'	4 JSPF	80 holes
12/29/08	4656-4662'	4 JSPF	24 holes
12/29/08	4790-4798'	4 JSPF	32 holes
12/29/08	4804-4814'	4 JSPF	40 holes
12/29/08	5532-5538'	4 JSPF	24 holes
12/29/08	5548-5558'	4 JSPF	24 holes

**Jonah Fed K-15-9-16**

1839' FNL & 820' FEL

SE/NE Section 15-T9S-R16E

Duchesne Co, Utah

API # 43-013-34014 ; Lease # UTU-017985

DF 11/2/09

## JONAH 5-14-9-16

Spud Date: 6/11/03

Put on Production: 3/10/04

GL: 5608' KB: 5620'

SURFACE CASING

CSG SIZE 8-5/8"

GRADE J-55

WEIGHT 24#

LENGTH 7 jts (301.85')

DEPTH LANDED 311.85' KB

HOLE SIZE 12-1/4"

CEMENT DATA 150sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE 5-1/2"

GRADE J-55

WEIGHT 15.5#

LENGTH 134 jts (5843.4')

DEPTH LANDED 5843.4' KB

HOLE SIZE 7-7/8"

CEMENT DATA 320 sxs Prem Lite II mixed &amp; 450 sxs 50/50 POZ mix.

CEMENT TOP AT: 404'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#

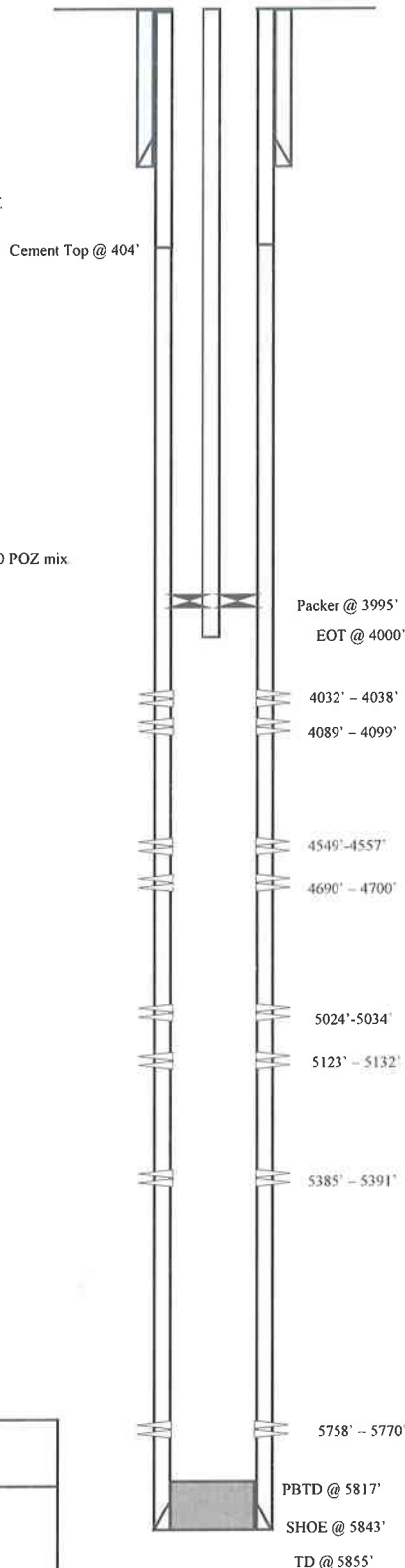
NO OF JOINTS: 123 jts (64.63')

SEATING NIPPLE 2-7/8" (1.10')

SN LANDED AT: 3991.00' KB

TUBING ANCHOR 3995.35' KB

TOTAL STRING LENGTH EOT @ 3999.50'

Injection Wellbore  
DiagramInitial Production: 70 BOPD,  
35 MCFD, 17 BWPDFRAC JOB

3/3/04	5758'-5770'	<b>Frac CP5 sands as follows:</b> 35,816# 20/40 sand in 359 bbls lightning Frac 17 fluid. Treated @ avg press of 1890 psi w/avg rate of 24.8 BPM. ISIP 2165 psi. Calc flush: 5756 gal. Actual flush: 5754 gal.
3/3/04	5385'-5391'	<b>Frac CP .5 sands as follows:</b> 19,441# 20/40 sand in 251 bbls lightning Frac 17 fluid. Treated @ avg press of 2425 psi w/avg rate of 24.7 BPM. ISIP 1865 psi. Calc flush: 5383 gal. Actual flush: 5376 gal.
3/3/04	5123'-5132'	<b>Frac LODC sands as follows:</b> 39,816# 20/40 sand in 371 bbls lightning Frac 17 fluid. Treated @ avg press of 2742 psi w/avg rate of 24.7 BPM. ISIP 3220 psi. Calc flush: 5121 gal. Actual flush: 5124 gal.
3/3/04	5024'-5034'	<b>Frac A3 sands as follows:</b> 39,550# 20/40 sand in 367 bbls lightning Frac 17 fluid. Treated @ avg press of 1996 psi w/avg rate of 24.9 BPM. ISIP 2150 psi. Calc flush: 5022 gal. Actual flush: 5040 gal.
3/3/04	4690'-4700'	<b>Frac C sands as follows:</b> 49,590# 20/40 sand in 409 bbls lightning Frac 17 fluid. Treated @ avg press of 1771 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 4688 gal. Actual flush: 4704 gal.
3/4/04	4549'-4557'	<b>Frac D1 sands as follows:</b> 24,970# 20/40 sand in 267 bbls lightning Frac 17 fluid. Treated @ avg press of 2180 psi w/avg rate of 24.6 BPM. ISIP 2050 psi. Calc flush: 4547 gal. Actual flush: 4536 gal.
3/4/04	4032'-4099'	<b>Frac GB4 and 6 sands as follows:</b> 52,120# 20/40 sand in 419 bbls lightning Frac 17 fluid. Treated @ avg press of 1950 psi w/avg rate of 24.7 BPM. ISIP 1890 psi. Calc flush: 4030 gal. Actual flush: 3948 gal.
10/18/05		Tbg Leak. Update tubing and rod Details.
7/23/07		Well converted to an Injection well. MIT completed and submitted.

PERFORATION RECORD

3/02/04	5758'-5770'	4 JSPF	48 holes
3/03/04	5385'-5391'	4 JSPF	24 holes
3/03/04	5123'-5132'	4 JSPF	36 holes
3/03/04	5024'-5034'	4 JSPF	40 holes
3/03/04	4690'-4700'	4 JSPF	40 holes
3/03/04	4549'-4557'	4 JSPF	32 holes
3/04/04	4089'-4099'	4 JSPF	40 holes
3/04/04	4032'-4038'	4 JSPF	24 holes

**NEWFIELD**

**Jonah 5-14-9-16**  
 2028' FNL & 659' FWL  
 SW/NW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32336; Lease #UTU-096547

## Jonah 7-14-9-16

Spud Date: 5/11/03  
Put on Production: 3/25/04  
GL: 5570' KB: 5582'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
DEPTH LANDED: 311.89'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class G mixed, est 5 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 132 jts 5876.88'  
DEPTH LANDED: 5875.38'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 376 sxs Premlite II mixed & 400 sxs 50/50 poz  
CEMENT TOP AT: 170'

**TUBING**

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 127 jts (3980.83')  
SEATING NIPPLE: 2 7/8" (1.10')  
SN LANDED AT: 3993.33'  
CE @ 3997.53'  
TOTAL STRING LENGTH: EOT @ 4001.63'

Injection Wellbore  
Diagram

Top of Cement @ 170'

Packer @ 3997'  
EOT @ 4002'

4036'-4040'

4083'-4092'

4627'-4630'

4649'-4655'

4692'-4711'

4828'-4844'

4996'-5024'

PBSD @ 5855'

SHOE @ 5875'

TD @ 5890'

Initial Production: 160 BOPD,  
160 MCFPD, 51 BWPD

**FRAC JOB**

3/19/04	4996'-5024'	<b>Frac A3 sands as follows:</b> 100,024# 20/40 sand in 713 bbls lightning Frac 17 fluid. Treated @ avg press of 2152 psi w/avg rate of 24.6 BPM. ISIP 2520 psi. Calc flush: 4994 gal. Actual flush: 4998 gal.
3/19/04	4828'-4844'	<b>Frac B2 sands as follows:</b> 69,957# 20/40 sand in 536 bbls lightning Frac 17 fluid. Treated @ avg press of 1857 psi w/avg rate of 24.7 BPM. ISIP 2110 psi. Calc flush: 4826 gal. Actual flush: 4830 gal.
3/19/04	4692'-4711'	<b>Frac C sands as follows:</b> 50,348# 20/40 sand in 417 bbls lightning Frac 17 fluid. Treated @ avg press of 1987 psi w/avg rate of 31.1 BPM. ISIP 2100 psi. Calc flush: 4690 gal. Actual flush: 4704 gal.
3/19/04	4627'-4655'	<b>Frac D3 sands as follows:</b> 24,818# 20/40 sand in 268 bbls lightning Frac 17 fluid. Treated @ avg press of 2542 psi w/avg rate of 24.6 BPM. ISIP 2070 psi. Calc flush: 4625 gal. Actual flush: 4620 gal.
3/19/04	4036'-4092'	<b>Frac GB6 &amp; GB4 sands as follows:</b> 39,524# 20/40 sand in 346 bbls lightning Frac 17 fluid. Treated @ avg press of 2210 psi w/avg rate of 24.6 BPM. ISIP 1750 psi. Calc flush: 4034 gal. Actual flush: 3948 gal.
11/10/06		<b>Converted to Injection Well</b>
11/10/06		<b>MIT Completed - tbg detail updated</b>

**PERFORATION RECORD**

3/17/04	4996'-5024'	4 JSPF	112 holes
3/19/04	4828'-4844'	4 JSPF	64 holes
3/19/04	4692'-4711'	4 JSPF	76 holes
3/19/04	4649'-4655'	4 JSPF	24 holes
3/19/04	4627'-4630'	4 JSPF	12 holes
3/19/04	4083'-4092'	4 JSPF	36 holes
3/19/04	4036'-4040'	4 JSPF	16 holes

NEWFIELD

JONAH 7-14-9-16

1944' FNL & 1892' FEL  
SW/NE Section 14, T9S R16E  
DUCHESNE CO, UTAH

API #43-013-32338; LEASE #UTU-096547

LCN 05-24-10

## Jonah Unit #8-14

Spud Date: 5/22/98

Put on Production: 6/22/98

GL: 5607' KB: 5617'

Initial Production: 159 BOPD,  
133 MCFPD, 34 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (290')

DEPTH LANDED: 291'

HOLE SIZE: 12-1/4"

CEMENT DATA: 120 sxs Premium cmt, est 1-1/2 bbls to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 133 jts (5677')

DEPTH LANDED: 5688' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 320 sk Poz Type III mixed &amp; 310 sxs Class G

CEMENT TOP AT: 2566' per CBL

TUBING

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#

NO OF JOINTS: 161 jts

TUBING ANCHOR: 5020'

SEATING NIPPLE: 5-1/2" (1.10')

TOTAL STRING LENGTH: EOT @ 5152'

SN LANDED AT: 5086'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 4 - 1-1/2" weight rods, 4-3/4" scraped, 97 - 3/4" plain rods,  
97 - 3/4" scraped rods, 1 - 3/4" plain rod, 1 - 3/4"x8' pony rod

PUMP SIZE: 2-1/2" x 1-1/2" x 15 RHAC rod pump

STROKE LENGTH: 74"

PUMP SPEED, SPM: 6 SPM

LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

6/13/98 5046'-5072'

Frac A-3 sand as follows:

114,000# 20/40 sand in 565 bbls Viking  
1-25 fluid. Perf Brokedown @ 3823 psi  
Treated @ avg press of 1875 psi, w/avg  
rate of 30 BPM. ISIP: 2350 psi, 5-min  
2100 psi. Flowback on 12/64 choke for 3  
hours and died.

6/16/98 4749'-4759'

Frac C sand as follows:

113,994# of 20/40 sand in 546 bbls  
Viking 1-25 fluid. Perfs Brokedown @  
3032 psi. Treated @ avg press of 2000  
psi w/ avg rate of 28 bpm. ISIP: 2250 psi,  
5-min 2000 psi. Flowback on 12/64"  
choke for 3-1/2 hours and died.

6/18/98 4114'-4135'

Frac GB sand as follows:

96,580# 20/40 sand in 475 bbls Viking 1-  
25 fluid. Perfs brokedown @ 3387 psi  
Treated @ avg press of 1850 psi w/avg  
rate of 24.5 BPM. ISIP 1850 psi, 5-min  
1535 psi. Flowback on 12/64" choke for  
2-1/2 hours and died.PERFORATION RECORD

6/13/98	5046'-5072'	2 JSPF	52 holes
6/15/98	4749'-4759'	4 JSPF	40 holes
6/17/98	4114'-4119'	4 JSPF	20 holes
6/17/98	4132'-4135'	4 JSPF	12 holes

Cement Top @ 2566'

4114'-19'

4132'-35'

4749'-59'

Anchor @ 5020'

5046'-72'

SN @ 5086'

EOT @ 5152'

Sand Top @ 5351'

PBD @ 5635'

TD @ 5700'

NEWFIELD

**Jonah Unit #8-14**  
 1882 FNL 773 FEL  
 SENE Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32054; Lease #U-096550

5/21/2010

## Jonah Fed I-14-9-16

Spud Date: 10/28/08  
Put on Production: 12/17/08

GL: 5575' KB: 5587'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (316.06')  
DEPTH LANDED: 326.06' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sx Class 'g' cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 159 jts (6278.9')  
DEPTH LANDED: 6095.70'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sx premlite and 425 sx 50/50 poz  
CEMENT TOP AT: 64'

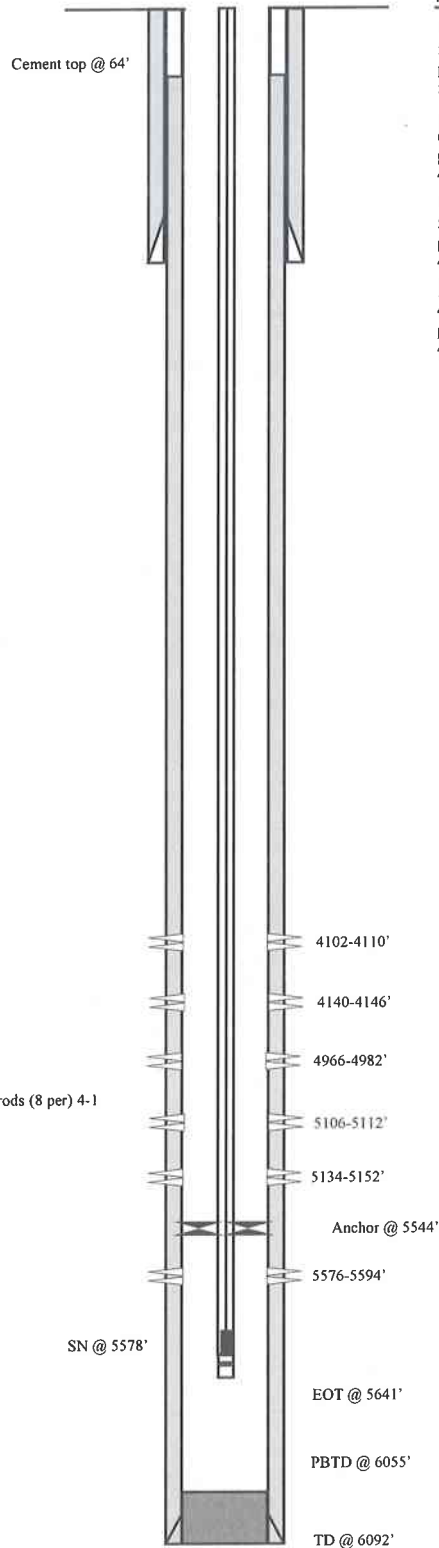
**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55  
NO. OF JOINTS: 180 jts (5532.40')  
TUBING ANCHOR: 5544.40' KB  
NO. OF JOINTS: 1 jt (30.85')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5578.05' KB  
NO. OF JOINTS: 2 jts (61.81')  
TOTAL STRING LENGTH: EOT @ 5641.41'

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 26' polished rod  
SUCKER RODS: 1-2', 4', 6', 8' x 7/8" pony, 218-7/8" guided rods (8 per) 4-1 1/2" wt bars shear coupler  
PUMP SIZE: 1 1/2" x 1 3/4" x 16" x 20" RHAC rod pump - CDI  
STROKE LENGTH:  
PUMP SPEED, SPM:

## Wellbore Diagram

**FRAC JOB**

12/9/08 5576-5594' Frac CPI sds as follows:  
50,690# 20/40 sand in 472 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1937 psi @ ave rate of 23.1 BPM. ISIP 2139 psi. Actual flush: 5040 gals.

12/10/08 5106-5152' Frac A1 & A3 sds as follows:  
60,419# 20/40 sand in 514 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2180 psi @ ave rate of 23.1 BPM. ISIP 2427 psi. Actual flush: 4599 gals.

12/10/08 4966-4982' Frac B2 sds as follows:  
55,874# 20/40 sand in 494 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1944 psi @ ave rate of 23.1 BPM. ISIP 2040 psi. Actual flush: 4410 gals.

12/10/08 4102-4110' Frac GB2 & GB4 as follows:  
40,929# 20/40 sand in 391 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1862 psi @ ave rate of 23.2 BPM. ISIP 2019 psi. Actual flush: 4032 gals.

**PERFORATION RECORD**

12/9/08	5576-5594'	4 JSPF	72 holes
12/9/08	5134-5152'	4 JSPF	72 holes
12/9/08	5106-5112'	4 JSPF	24 holes
12/9/08	4966-4982'	4 JSPF	64 holes
12/10/08	4140-4146'	4 JSPF	24 holes
12/10/08	4102-4110'	4 JSPF	32 holes

**Jonah I-14-9-16**

1919' FNL & 1900' FEL  
SW/NE Section 14-T9S-R16E  
Duchesne Co, Utah  
API # 43-013-34013; Lease # UTU-096550

## Jonah Fed H-14-9-16

Spud Date: 10/29/08  
Put on Production: 12/23/08

GL: 5575' KB: 5587'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 8 jts (318.74')  
DEPTH LANDED: 330.59' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

**PRODUCTION CASING**

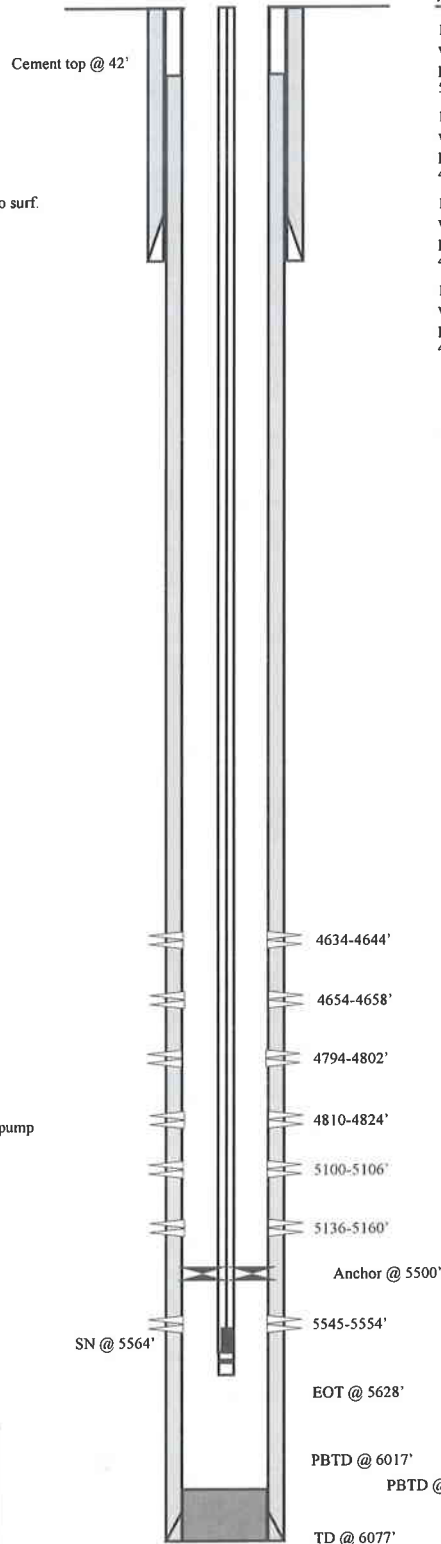
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 151 jts (6045.76')  
DEPTH LANDED: 6059.01'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sx premlite and 425 sx 50/50 poz  
CEMENT TOP AT: 42'

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55  
NO OF JOINTS: 178 jts (5487.69')  
TUBING ANCHOR: 5499.69' KB  
NO OF JOINTS: 2 jts (61.91')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5564.40' KB  
NO OF JOINTS: 2 jts (62.00')  
TOTAL STRING LENGTH: EOT @ 5627.95'

**SUCKER RODS**

POLISHED ROD: SWIFN w/polished rod  
SUCKER RODS: 4-1 1/2" weight bars, 160- 7/8" guided rods  
PUMP SIZE: RIH w/ CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC rod pump  
STROKE LENGTH:  
PUMP SPEED, SPM:

**Wellbore Diagram****FRAC JOB**

**12/10/08 5545-5554' Frac C P1 sds as follows:**  
w/ 45,729 20/40 sand in 463 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2398 psi @ ave rate of 25.6 BPM. ISIP 2072 psi. Actual flush: 5040 gals.

**12/10/08 5100-5160' Frac A1 & A3 sds as follows:**  
w/ 69,623# 20/40 sand in 578 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1905 psi @ ave rate of 25.1 BPM. ISIP 2299 psi. Actual flush: 4595 gals.

**12/10/08 4794-4824' Frac C sds as follows:**  
w/ 45,238# 20/40 sand in 435 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1953 psi @ ave rate of 23.3 BPM. ISIP 2032 psi. Actual flush: 4288 gals.

**11/24/08 4634-4658' Frac D1 sds as follows:**  
w/ 47,138# 20/40 sand in 435 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2131 psi @ ave rate of 23.2 BPM. ISIP 2239 psi. Actual flush: 4578 gals.

**PERFORATION RECORD**

Date	Depth Range	Tool Joint	Holes
12/10/08	4634-4644'	4 JSPF	40 holes
12/10/08	4654-4658'	4 JSPF	16 holes
12/10/08	4794-4802'	4 JSPF	32 holes
12/10/08	4810-4824'	4 JSPF	56 holes
12/10/08	5100-5106'	4 JSPF	24 holes
12/10/08	5136-5160'	4 JSPF	96 holes
12/10/08	5545-5554'	4 JSPF	36 holes

**Jonah H-14-9-16**

1899' FNL & 1909' FEL

SW/NE Section 14-T9S-R16E

Duchesne Co, Utah

API # 43-013-34012; Lease # UTU-096550

TW 04/14/09

## Monument Fed. 21-14J-9-16

Spud Date: 2/09/94  
 Put on Production: 4/20/94  
 Put on Injection: 10/29/94  
 GL: 5592' KB: 5602'

Initial Production: 45 BOPD,  
 0 MCFD, 0 BWPD

SURFACE CASING

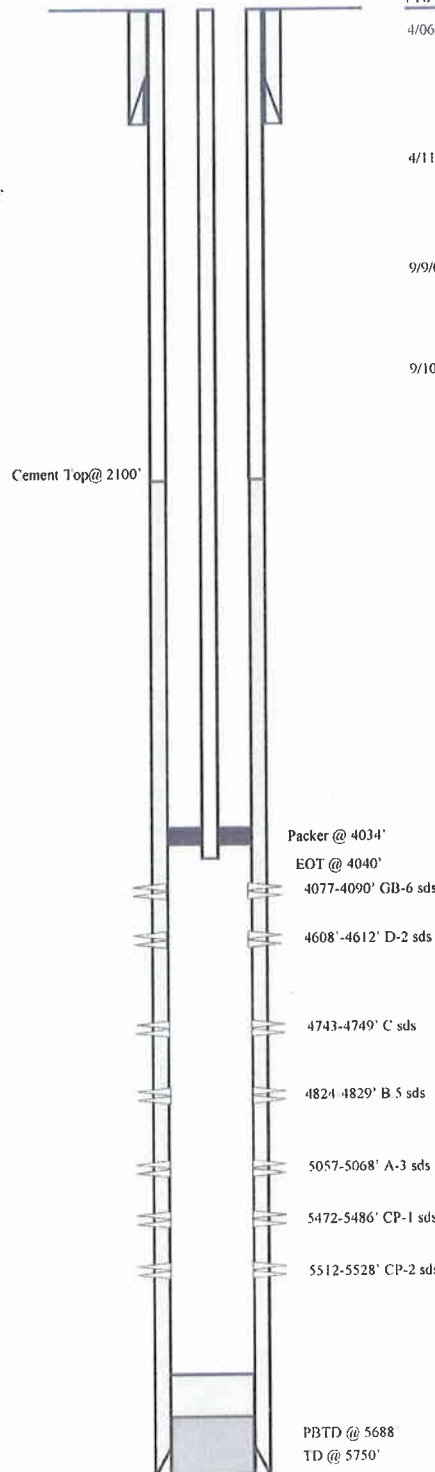
CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 5 jts (248.40')  
 DEPTH LANDED 256'  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 150 sxs Class "G" cmt, est 4 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE K-55  
 WEIGHT 15.5#  
 LENGTH 132 jts (5732.57')  
 DEPTH LANDED 5732.57'  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 160 sxs Thrifty-lite & 270 sxs 50/50 POZ  
 CEMENT TOP AT 2100' per CBL

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 7 jts (7')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 77' KB  
 PACKER 4034' KB  
 TOTAL STRING LENGTH EOT @ 4040'

Injection Wellbore  
DiagramFRAC JOB

4/06/94	5057'-5068'	<b>Frac sand as follows:</b> 16,000# 20/40 sand + 15,000# 16/30 sand in 433 bbls Viking 1-35 fluid. Treated @ avg press of 3200 psi w/avg rate of 24 BPM. ISIP 2000 psi. Calc. flush 3387 gal, Actual flush 3444 gal.
4/11/94	4608'-4612'	<b>Frac sand as follows:</b> 12,000# 16/30 sand in 209 bbls Viking 1-35 fluid. Treated @ avg press of 3900 psi w/avg rate of 25.1 BPM. ISIP 1950 psi. Calc. flush 3084 gal, Actual flush 3052 gal.
9/9/08	5512'-5528'	<b>Frac CP2 sds &amp; CP1 sds as follows:</b> 69,494# 20/40 sand in 575 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3553 psi w/ ave rate of 13.3 BPM. ISIP 2009 psi. Actual flush: 1260 gals.
9/10/08	4824'-4829'	<b>Frac B.5 sds &amp; C sds as follows:</b> 22,799# 20/40 sand in 234 bbls of Lightning 17 fluid. Treated w/ ave pressure of 4358 psi w/ ave rate of 13.2 BPM. ISIP 3982 psi. Actual flush: 1088 gals.

PERFORATION RECORD

4/05/94	5057'-5068'	4 JSPF	44 holes
4/08/94	4608'-4612'	4 JSPF	16 holes
9/5/08	4077'-4090'	4 JSPF	52 holes
9/5/08	4743'-4749'	4 JSPF	24 holes
9/5/08	4824'-4829'	4 JSPF	20 holes
9/5/08	5472'-5486'	4 JSPF	56 holes
9/5/08	5512'-5528'	4 JSPF	64 holes



Monument Fed. #21-14J-9-16

518' FNL & 1850' FWL

NENW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-31421; Lease #U-096547



## Goates 3-14-9-16

Spud Date: 1/15/65

Put on Production: 2/22/65

GL: 5596' KB: 5606'

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE 9-5/8"  
 GRADE J-55  
 WEIGHT 32.3#  
 LENGTH 7 jts (213')  
 DEPTH LANDED 226'  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 200 sxs cement

PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 171 jts (5127')  
 DEPTH LANDED 5140'  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 200 sxs cement  
 CEMENT TOP AT 3512' per CBL'

PRODUCTION LINER

CSG SIZE 3-1/2"  
 GRADE N-80  
 WEIGHT 8.81#  
 LENGTH 28 jts (874')  
 DEPTH LANDED 5949'  
 HOLE SIZE 4-3/4"  
 CEMENT DATA 35 sxs cement

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS 144 jts (4545 1')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT 4556 2' KB  
 ARROW #1 PACKER CE AT 4558 99'  
 X/N NIPPLE AT 4562 3'  
 TOTAL STRING LENGTH EOT @ 4563'

Casing Shoe @ 226'

Cement Top @ 3512'

3600'-3604' (squeezed)

4158'-4162' (squeezed)

SN @ 4555'

Packer @ 4559'

X/N Nipple @ 4562'

EOT @ 4563'

4581-4588'

4720-4738'

5052-5059'

5447'-5830'

PBTB @ 5925'  
TD @ 5950'FRAC JOB

1/29/65 5056'-5057' Frac sand as follows:  
 16,800# 20/40 sand + 1000# glass beads  
 in 483 bbls lease crude oil Treated @  
 avg press of 3875 psi w/avg rate of 28  
 BPM

1/30/65 4585'-4722' Frac sand as follows:  
 12,600# 20/40 sand + 1000# glass beads  
 in 320 bbls lease crude oil Treated @  
 avg press of 4200 psi w/avg rate of 30  
 BPM

9/12/82 5447'-5830' Frac sand as follows:  
 55,400# 20/40 sand in 937 bbls frac fluid  
 Treated @ avg press of 3600 psi w/avg  
 rate of 16 BPM ISIP 1850 psi Screened  
 out

11/6/01 Rod Job. Update rod and tubing details

9/4/02 Parted Rods Update rod and tubing  
 details

05/04/07 Re-completion

05/11/07 5052-5059' Frac A sands as follows:  
 30315#s 20/40 sand in 278 bbls Lightning  
 17 frac fluid Treated @ avg press of 4116 psi  
 w/avg rate of 14.3 BPM Calc  
 flush 2112 gal Actual flush 1222 gal

05/11/07 4720-4738' Frac C sands as follows:  
 40196#s 20/40 sand in 340 bbls Lightning  
 17 frac fluid Treated @ avg press of 3874 psi  
 w/avg rate of 14.3 BPM Calc  
 flush 1712 gal Actual flush 14280 gal

05/11/07 4581-4588' Frac D1 sands as follows:  
 38647#s 20/40 sand in 338 bbls Lightning  
 17 frac fluid Treated @ avg press of 3495 psi  
 w/avg rate of 14.3 BPM Calc  
 flush 1263 gal Actual flush 1088 gal

5-11-07 Pump Change Updated rod & tubing detail

12-17-07 Pump change Updated rod & tubing details

5/8/09 Pump Change Updated r & t details

12/03/12 Convert to Injection Well

12/04/12 Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

4585'	3 SPF	3 holes
4722'	2 SPF	2 holes
4728'	2 SPF	2 holes
4734'	2 SPF	2 holes
5056'	2 SPF	2 holes
5447', 5451', 5453', 5460', 5467', 5492', 5494', 5496', 5498', 5503', 5828', 5830'	1 SPF	12 holes
05/10/07 5052-5059'	4 JSPP	2 holes reperf
05/10/07 4720-4738'	4 JSPP	6 holes reperf
05/10/07 4581-4588'	4 JSPP	3 holes reperf

NEWFIELD

Goates 3-14-9-16

970' FNL &amp; 970' FWL

NWNW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-15791; Lease #UTU-096547

## Walton Federal #2-14-9-16

Spud Date: 5/23/1964  
 Put on Production: 7/03/1964  
 GL: 5546' KB: 5558'

Initial Production: 50 BOPD, 75 MCFD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: J-55  
 WEIGHT: 32.2#  
 LENGTH: 7 jts (221')  
 DEPTH LANDED: 232' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sxs Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 151 jts (4846')  
 DEPTH LANDED: 4857'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 cft 10% salt saturated cement.  
 CEMENT TOP AT: 3576' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 140 jts (4440.44') KB  
 TUBING ANCHOR: 4444.19'  
 NO. OF JOINTS: 9 jts (4731.75')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4733.05' KB  
 NO. OF JOINTS: 1 jts Perf Sub (4737.05')  
 NO. OF JOINTS: 1 jts (4768.73')  
 TOTAL STRING LENGTH: EOT @ 4768.73'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 44-3/4" plain rods; 136-3/4" guided rods, 8-3/4" plain rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: "  
 PUMP SPEED, SPM: SPM  
 LOGS: DIGL/SP/GR/CAL

FRAC JOB

6/20/64 4724', 4735'

Frac sand as follows:

11,500# 20/40 sand in 300 bbls crude oil, + 4000# 8/12 beads in 8000 gal. crude oil. Treated @ avg press of 4350 psi w/avg rate of 25 BPM.

6/23/64 4554', 4560'

Frac sand as follows:

12,600# 20/40 sand in 326 bbls crude oil, + 4000# 8/12 beads in 8000 gal. crude oil. Treated @ avg press of 4200 psi w/avg rate of 25 BPM.

Cement Top@ 3576'

Anchor @ 4444'

4554'

4560'

4724'

4735'

SN @ 4733'  
 EOT @ 4768'  
 Top of fill @ 4793'  
 PBTD @ ~4857'  
 TD @ 5200'

PERFORATION RECORD

6/16/64	4735'	5 SPF	05holes
6/16/64	4724'	5 SPF	05 holes
6/23/64	4560'	5 SPF	05 holes
6/23/64	4554'	5 SPF	05 holes



**Walton Federal #2-14-9-16**  
 542' FNL & 1869' FEL  
 NWNE Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-15793; Lease #U-096550

## Goates Fed. #1-11-9-16

Spud Date: 7/22/1964  
Put on Production: 8/23/1964  
GL: 5565' KB: 5577'

Initial Production: 393 BOPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"  
GRADE J-55  
WEIGHT 32.2#  
LENGTH 7 jts (218')  
DEPTH LANDED: 228'  
HOLE SIZE 12-1/4"  
CEMENT DATA: 200 sacks cmt

PRODUCTION CASING

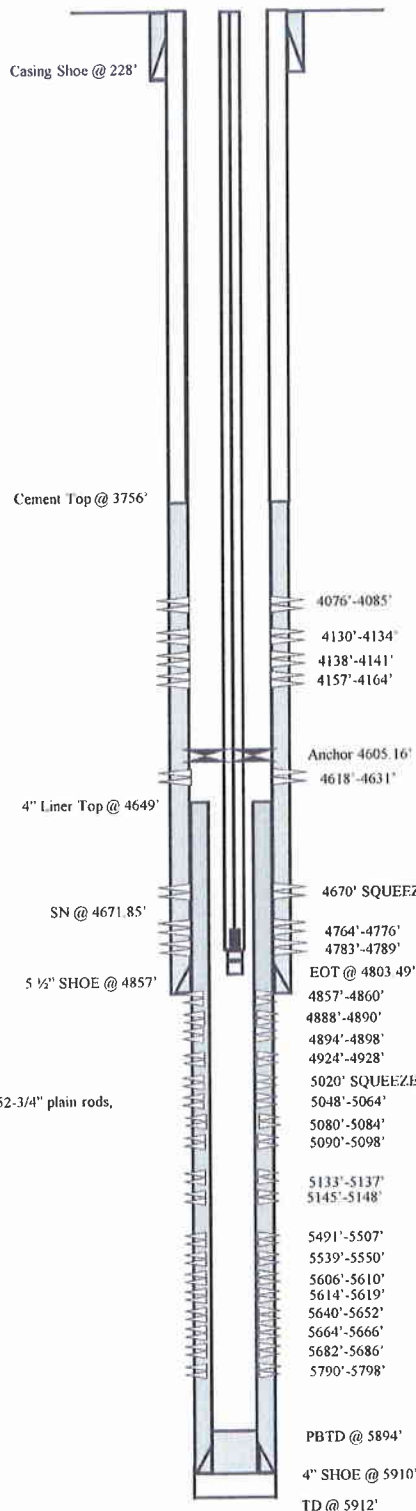
CSG SIZE: 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 156 jts (4847')  
DEPTH LANDED: 4857'  
HOLE SIZE 7-7/8"  
CEMENT DATA: 240 sacks cmt  
CEMENT TOP AT: 3756' per CBL  
CSG SIZE: 4"  
GRADE J-55  
WEIGHT 10.46#  
LENGTH 1263'  
DEPTH LANDED: 5910'  
HOLE SIZE: 4 3/4"  
CEMENT DATA: 140 sacks cmt  
4" Liner Top @ 4649'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 146 jts (4593 16')  
TUBING ANCHOR 4605 16'  
NO OF JOINTS 2 jts (62 92')  
SEATING NIPPLE 2-7/8" (1 10')  
SN LANDED AT 4671.85' KB  
NO OF JOINTS 1 jt (31 46')  
TOTAL STRING LENGTH: EOT @ 4803.49' W/ 12' KB

SUCKER RODS

POLISHED ROD 1-1/4" x 22' SM  
SUCKER RODS 6-1 1/2" wt rods, 129-3/4" scraped rods, 52-3/4" plain rods,  
1-8", 1-2", 2-6" x 3/4" pony rods  
PUMP SIZE 2-1/2" x 1-1/2" x 16' RHAC  
STROKE LENGTH 64"  
PUMP SPEED, SPM 8 SPM

FRAC JOB

4/14/64 4624'-4631' **Frac as follows:**  
250 gal. Acid mud  
110 bbl crude oil preflush, 16,725# 20/40 sand  
in 100 bbls crude oil with 4200# glass beads  
Treated @ avg press of 3800 psi w/avg rate of  
27 BPM.

1/10/95 4764'-4789' **Frac C-SD sand as follows:**  
48,400# 16/30 sand in 315 bbls gel water  
Treated @ avg press of 4700 psi w/avg rate of  
20.5 BPM. Screened out w 6.5# conc. on  
perfs., flow back

8/08/01 **Rod Job** Updated rod and tubing details.  
5/10/02 **Pump change** Updated rod and tubing details

5/19/03 5606'-5798' **Frac CP3,4, and 5 sands as follows:**  
80,164# 20/40 sand in 627 bbls Viking I-25  
fluid. Treated @ avg press of 3530 psi w/avg  
rate of 14.5 BPM. ISIP 1900 psi. Calc  
flush: 1361 gal. Actual flush: 1218 gal.

5/19/03 5491'-5550' **Frac CP1, and 2 sands as follows:**  
90,183# 20/40 sand in 707 bbls Viking I-25  
fluid. Treated @ avg press of 3531 psi w/avg  
rate of 14.4 BPM. ISIP 1800 psi. Calc  
flush: 1338 gal. Actual flush: 1176 gal

5/20/03 5048'-5148' **Frac A1,3, and LODC sands as follows:**  
56,695# 20/40 sand in 485 bbls Viking I-25  
fluid. Treated @ avg press of 3353 psi w/avg  
rate of 14 BPM. ISIP 2160 psi. Calc  
flush: 1236 gal. Actual flush: 1092 gal.

5/21/03 4857'-4928' **Frac B,5, 1 and 2 sands as follows:**  
38,821# 20/40 sand in 331 bbls Viking I-25  
fluid. Treated @ avg press of 3674 psi w/avg  
rate of 14.3 BPM. ISIP 2120 psi. Calc  
flush: 1180 gal. Actual flush: 1008 gal.

5/22/03 4618'-4631' **Frac D1 sands as follows:**  
20,325# 20/40 sand in 243 bbls Viking I-25  
fluid. Treated @ avg press of 2478 psi w/avg  
rate of 23 BPM. ISIP 2400 psi. Calc  
flush: 4616 gal. Actual flush: 4578 gal.

5/22/03 4076'-4164' **Frac GB sands as follows:**  
59,119# 20/40 sand in 462 bbls Viking I-25  
fluid. Treated @ avg press of 1876 psi w/avg  
rate of 18 BPM. ISIP 2040 psi. Calc  
flush: 4074 gal. Actual flush: 3990 gal.

1/6/09 **Tubing Leak** Updated rod & tubing details

PERFORATION RECORD

Date	Depth Range	Tool	Holes
6/14/64	4624'-4631'	1 JSPF	8 holes
1/09/95	4764'-4776'	4 JSPF	48 holes
1/09/95	4783'-4789'	4 JSPF	32 holes
4/28/03	4670'	SQUEEZE HOLES	
4/28/03	5020'	SQUEEZE HOLES	
5/5/03	5790'-5798'	4 JSPF	32 holes
5/5/03	5682'-5686'	4 JSPF	16 holes
5/5/03	5664'-5666'	4 JSPF	8 holes
5/5/03	5640'-5652'	4 JSPF	48 holes
5/5/03	5614'-5619'	4 JSPF	20 holes
5/5/03	5606'-5610'	4 JSPF	16 holes
5/19/03	5539'-5550'	4 JSPF	44 holes
5/19/03	5491'-5507'	4 JSPF	64 holes
5/19/03	5145'-5148'	4 JSPF	28 holes
5/19/03	5133'-5137'	4 JSPF	28 holes
5/19/03	5090'-5098'	4 JSPF	48 holes
5/19/03	5080'-5084'	4 JSPF	48 holes
5/19/03	5048'-5064'	4 JSPF	64 holes
5/19/03	4924'-4928'	4 JSPF	16 holes
5/19/03	4894'-4898'	4 JSPF	24 holes
5/19/03	4888'-4890'	4 JSPF	24 holes
5/19/03	4857'-4860'	4 JSPF	12 holes
5/22/03	4618'-4631'	2 JSPF	26 holes
5/22/03	4157'-4164'	4 JSPF	40 holes
5/22/03	4138'-4141'	4 JSPF	40 holes
5/22/03	4130'-4134'	4 JSPF	16 holes
5/22/03	4076'-4085'	4 JSPF	36 holes



Goates #1-11-9-16  
793' FSL & 2088' FWL  
SESW Section 11-T9S-R16E  
Duchesne Co, Utah  
API #43-013-15789; Lease #U-096547

## Jonah X-11-9-16

Spud Date: 01/26/2010  
 Put on Production: 02/25/2010  
 GL: 5665' KB: 5677'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (308')  
 DEPTH LANDED: 319.85'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 152 jts (6169.13')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 3182.38'  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT: 84'

TUBING

SIZE/GRADE/AWT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 190 jts (5988.5')  
 TUBING ANCHOR: 6000.5'  
 NO. OF JOINTS: 1 jts (31.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 6034.8' KB  
 NO. OF JOINTS: 1 jts (31.6')  
 TOTAL STRING LENGTH: EOT @ 6068'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'  
 SUCKER RODS: 1 - 2' x 7/8", 1 - 4' x 7/8" pony rods;  
 236 - 7/8" 8per guided rods; 4 - 1 1/2" weight bars  
 PUMP SIZE: 2 1/2 x 1 1/4 x 17' x 24' RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: SPM 5

FRAC JOB

2-25-10	6032-6036'	Frac CP5 sands as follows: Frac with 9446# 20/40 sand in 70 bbls Lightning 17 fluid.
2-25-10	5661-5733'	Frac CP.5, CP1 & CP2 sands as follows: Frac with 41029# 20/40 sand in 200 bbls Lightning 17 fluid.
2-25-10	5262-5272'	Frac A3 sands as follows: Frac with 35272# 20/40 sand in 172 bbls Lightning 17 fluid.
2-25-10	4922-5033'	Frac D3, B.5 & B1 sands as follows: Frac with 29462# 20/40 sand in 184 bbls Lightning 17 fluid.
2-25-10	4216-4231'	Frac GB4 sands as follows: Frac with 21788# 20/40 sand in 131 bbls Lightning 17 fluid.

Cement Top @ 84'

SN @ 6035'

Anchor @ 6001'

6032-6036'

EOT @ 6068'

PBTB @ 6161'

TD @ 6190'

PERFORATION RECORD

6032-6036'	3 JSPF	12 holes
5729-5733'	3 JSPF	12 holes
5695-5697'	3 JSPF	6 holes
5678-5680'	3 JSPF	6 holes
5661-5663'	3 JSPF	6 holes
5262-5272'	3 JSPF	30 holes
5027-5033'	3 JSPF	18 holes
5010-5012'	3 JSPF	6 holes
4926-4928'	3 JSPF	6 holes
4922-4924'	3 JSPF	6 holes
4229-4231'	3 JSPF	6 holes
4223-4225'	3 JSPF	6 holes
4216-4218'	3 JSPF	6 holes

**NEWFIELD**

**Jonah X-11-9-16**  
 1031' FSL & 438' FWL (SW/SW)  
 Section 11, T9S, R16E  
 Duchesne Co, Utah  
 API # 43-013-34082 Lease # UTU-096547

## Jonah G-14-9-16

Spud Date: 01/18/2010  
 Put on Production: 02/22/2010  
 GL: 5600' KB: 5612'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (309 41')  
 DEPTH LANDED: 321.21'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 144 jts (6024 94')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 6038 89'  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 76'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 185 jts (5832 9')  
 TUBING ANCHOR: 5844 9'  
 NO. OF JOINTS: 1 jts (31 6')  
 SEATING NIPPLE: 2-7/8" (1 1')  
 SN LANDED AT: 5879 3' KB  
 NO. OF JOINTS: 1 jts (31 6')  
 TOTAL STRING LENGTH: EOT @ 5912'

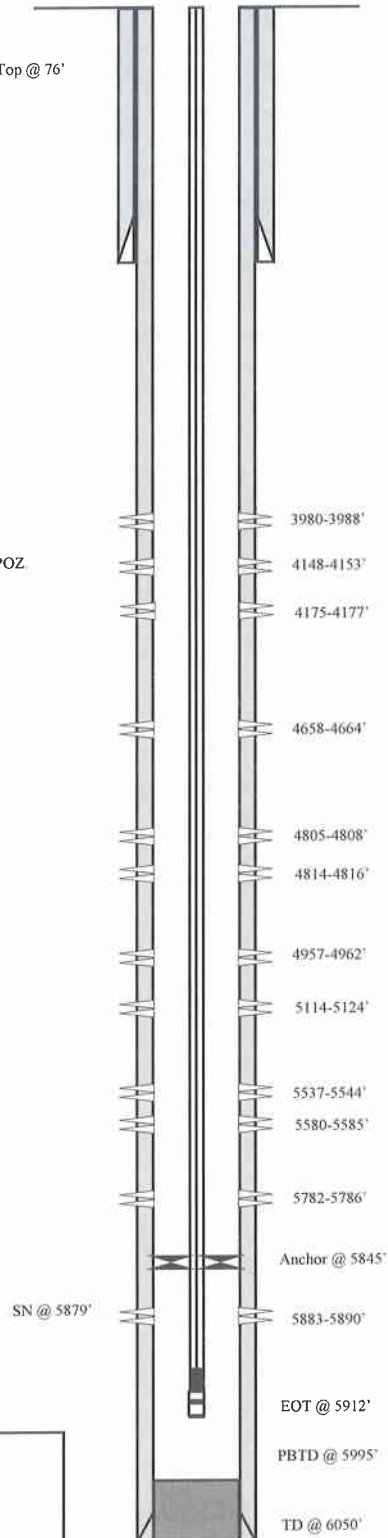
SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1 - 2' x 7/8", 1 - 6' x 7/8" pony rods; 230 - 7/8" 8per guided rods; 4 - 1 1/2" weight bars  
 PUMP SIZE: 2 1/2 x 1 3/4 x 21' x 24' RHAC  
 STROKE LENGTH: 144  
 PUMP SPEED: SPM 5

FRAC JOB

2-23-10	5782-5890'	<b>Frac CP4 &amp; CP5 sands as follows:</b> Frac with 45031# 20/40 sand in 295 bbls Lightning 17 fluid.
2-23-10	5537-5585'	<b>Frac CP1 &amp; CP2 sands as follows:</b> Frac with 19391# 20/40 sand in 166 bbls Lightning 17 fluid.
2-23-10	5114-5124'	<b>Frac A3 sands as follows:</b> Frac with 34848# 20/40 sand in 230 bbls Lightning 17 fluid.
2-23-10	4805-4962'	<b>Frac C &amp; B2 sands as follows:</b> Frac with 34451# 20/40 sand in 233 bbls Lightning 17 fluid.
2-23-10	4658-4664'	<b>Frac D1 sands as follows:</b> Frac with 15287# 20/40 sand in 116 bbls Lightning 17 fluid.
2-23-10	4148-4177'	<b>Frac GB6 sands as follows:</b> Frac with 19912# 20/40 sand in 170 bbls Lightning 17 fluid.
2-23-10	3980-3988'	<b>Frac GB2 sands as follows:</b> Frac with 11909# 20/40 sand in 102 bbls Lightning 17 fluid.

Cement Top @ 76'

PERFORATION RECORD

5883-5890'	3 JSPF	21 holes
5782-5786'	3 JSPF	12 holes
5580-5585'	3 JSPF	15 holes
5537-5544'	3 JSPF	21 holes
5114-5124'	3 JSPF	30 holes
4957-4962'	3 JSPF	15 holes
4814-4816'	3 JSPF	6 holes
4805-4808'	3 JSPF	9 holes
4658-4664'	3 JSPF	18 holes
4175-4177'	3 JSPF	6 holes
4148-4153'	3 JSPF	15 holes
3980-3988'	3 JSPF	24 holes

**NEWFIELD**

**Jonah G-14-9-16**  
 457' FNL & 1827' FWL (NE/NW)  
 Section 14, T9S, R16E  
 Duchesne Co, Utah  
 API # 43-013-34083; Lease # UTU-096547

# GMBU B-14-9-16

Spud Date: 10/09/2011

PWOP: 12/07/2011

GL: 5505' KB: 5518'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (314.98')

DEPTH LANDED: 328.30' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 143 jts (6040.15') Includes Shoe Jt (42.98')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 6059.66' KB

CEMENT DATA: 225 sxs Prem Lite II mixed & 455 sxs 50/50 POZ.

CEMENT TOP AT: 47'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 182 jts (5666.1')

TUBING ANCHOR: 5679.1' KB

NO. OF JOINTS: 1 jt (31.3')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED AT: 5713.2' KB

NO. OF JOINTS: 2 jts (60.6')

NOTCHED COLLAR: 5774.8' KB

TOTAL STRING LENGTH: EOT @ 5775'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod

SUCKER RODS: 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 - 7/8" x 8' Pony Rod, 71 - 7/8" 4per Guided Rods (1775'), 143 - 3/4" 4per Guided Rods (3575'), 12 - 7/8" 8per Guided Rods (300')

PUMP SIZE: 2-1/2" x 1-3/4" x 20' x 24' RHAC

STROKE LENGTH: 144"

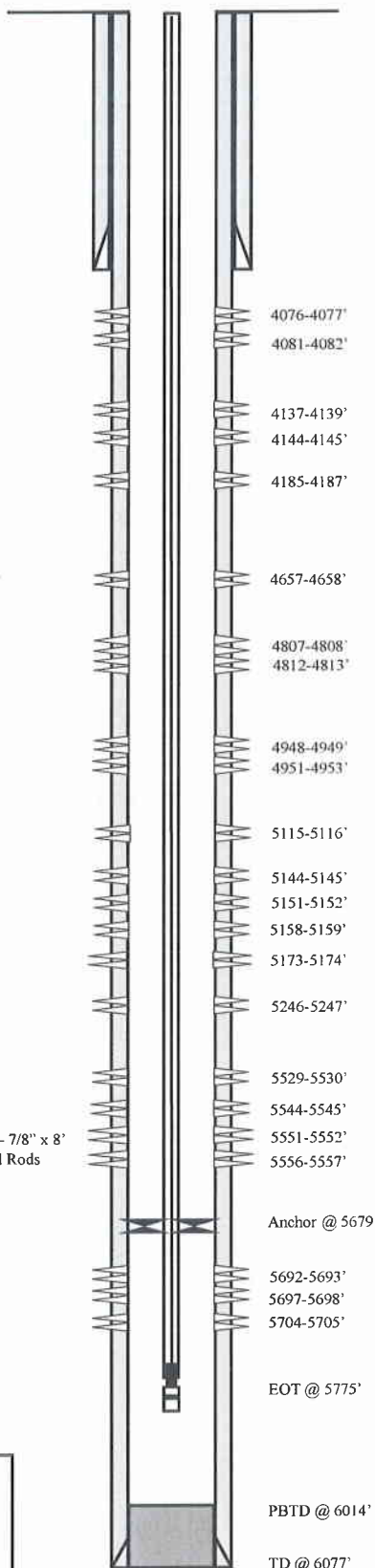
PUMP SPEED: 5 SPM

### FRAC JOB

11/18/2011	5529-5705'	<b>Frac CP1 &amp; CP3, sands as follows:</b> Frac with 50271# 20/40 white sand in 625 bbls lightning 17 fluid, 841 bbls total fluid to recover
11/28/2011	5115-5247'	<b>Frac A3 &amp; LODC, sands as follows:</b> Frac with 74870# 20/40 white sand in 586 bbls lightning 17 fluid, 706 bbls total fluid to recover
11/28/2011	4657-4953'	<b>Frac B2, C-Sand &amp; D1, sands as follows:</b> Frac with 70185# 20/40 white sand in 541 bbls lightning 17 fluid, 649 bbls total fluid to recover
11/28/2011	4076-4187'	<b>Frac GB2, GB4 &amp; GB6, sands as follows:</b> Frac with 99881# 20/40 white sand in 591 bbls lightning 17 fluid, 686 bbls total fluid to recover

### PERFORATION RECORD

5704-5705'	3 JSPF	3 holes
5697-5698'	3 JSPF	3 holes
5692-5693'	3 JSPF	3 holes
5556-5557'	3 JSPF	3 holes
5551-5552'	3 JSPF	3 holes
5544-5545'	3 JSPF	3 holes
5529-5530'	3 JSPF	3 holes
5246-5247'	3 JSPF	3 holes
5173-5174'	3 JSPF	3 holes
5158-5159'	3 JSPF	3 holes
5151-5152'	3 JSPF	3 holes
5144-5145'	3 JSPF	3 holes
5115-5116'	3 JSPF	3 holes
4951-4953'	3 JSPF	6 holes
4948-4949'	3 JSPF	3 holes
4812-4813'	3 JSPF	3 holes
4807-4808'	3 JSPF	3 holes
4657-4658'	3 JSPF	3 holes
4185-4187'	3 JSPF	6 holes
4144-4145'	3 JSPF	3 holes
4137-4139'	3 JSPF	6 holes
4081-4082'	3 JSPF	3 holes
4076-4077'	3 JSPF	3 holes



**NEWFIELD**



**GMBU B-14-9-16**

730' FSL & 731' FEL (SE/SE)

Section 11, T9S, R16E

Duchesne County, Utah

API #43-013-50580; Lease # UTU-096550

# Greater Monument Butte Y-11-9-16

Spud Date: 6/27/2011  
Put on Production: 7/29/2011  
GL: 5699' KB: 5711'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7jts (316 46')  
DEPTH LANDED: 324.46'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, circ 3 bbls to surf

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146jts (6264 4')  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 6258.4'  
CEMENT DATA: 280 sxs Premite II & 400 sxs 50/50 POZ  
CEMENT TOP AT: 62' per CBL 7/18/11

### TUBING (KS 10/8/12)

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 186jts (5837 0')  
TUBING ANCHOR: 5847'  
NO OF JOINTS: 1jt (31 5')  
SEATING NIPPLE: 2-7/8" (1 1')  
SN LANDED AT: 5881.3'  
BLEED NIPPLE: 2-7/8" (0 7')  
NO OF JOINTS: 2jts (62 9')  
NOTCHED COLLAR: 2-7/8" (0 5')  
TOTAL STRING LENGTH: EOT @ 5946'

### SUCKER RODS (KS 10/8/12)

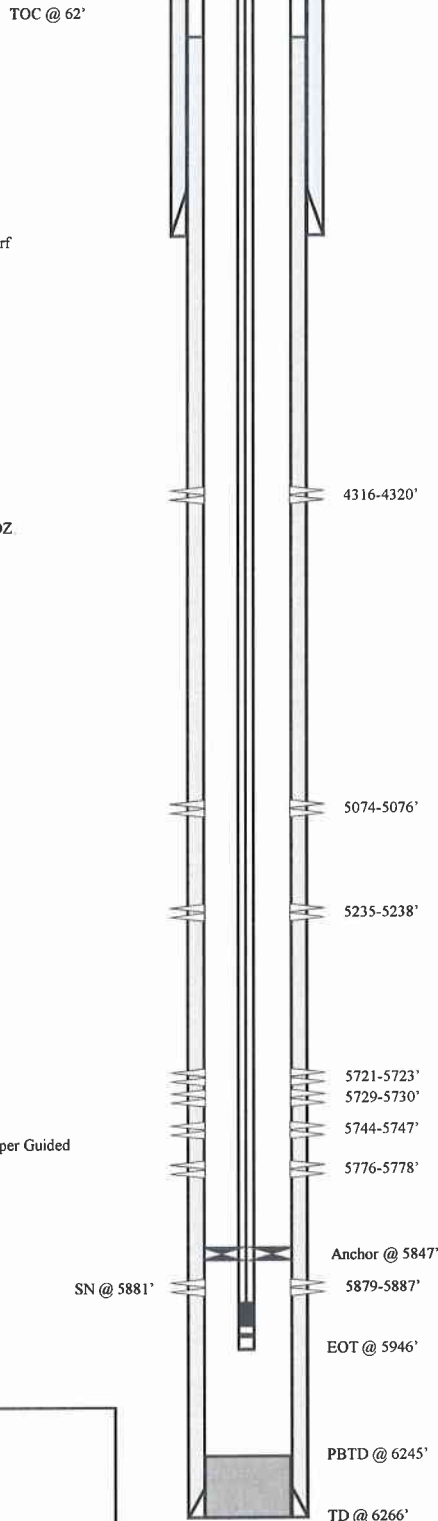
POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod  
SUCKER RODS: 4', 6', 8' x 7/8" Pony Rod, 229 x 7/8" 8per Guided Rods, 4 x 1-1/2" Sinker Bars, 1 x 1" x 4' 3per Pony Rod  
PUMP SIZE: 2-1/2" x 1-1/2" x 20' x 24' RHAC  
STROKE LENGTH: 146"  
PUMP SPEED, SPM: 3.5  
PUMPING UNIT: DARCO C-640-365-168

### FRAC JOB

7/18/2011	5879-5887'	<b>Frac CP3, sands as follows:</b> Frac with 19845# 20/40 brown sand in 161 bbls Lightning 17 fluid; 355 total bbls fluid to recover.
7/25/2011	5721-5778'	<b>Frac CP1 and CP2, sands as follows:</b> Frac with 35080# 20/40 brown sand in 224 bbls Lightning 17 fluid; 375 total bbls fluid to recover.
7/25/2011	5074-5238'	<b>Frac B1 and A1, sands as follows:</b> Frac with 19298# 20/40 brown sand in 161 bbls Lightning 17 fluid; 294 total bbls fluid to recover.
7/25/2011	4316-4320'	<b>Frac GB6, sands as follows:</b> Frac with 19642# 20/40 brown sand in 143 bbls Lightning 17 fluid; 262 total bbls fluid to recover.

### PERFORATION RECORD

4316-4320'	3 JSPF	12 holes
5074-5076'	3 JSPF	6 holes
5235-5238'	3 JSPF	9 holes
5721-5723'	3 JSPF	6 holes
5729-5730'	3 JSPF	3 holes
5744-5747'	3 JSPF	9 holes
5776-5778'	3 JSPF	6 holes
5879-5887'	3 JSPF	24 holes



**NEWFIELD**

**Greater Monument Butte Y-11-9-16**

621' FSL & 683' FEL (SE/SE)

Section 10, T9S, R16E

Duchesne, Utah

API # 43-013-50543; Lease #UTU-017985



# Greater Monument Butte C-14-9-16

Spud Date: 7/13/2011  
Put on Production: 8/24/2011  
GL: 5538' KB: 5550'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (314.35')  
DEPTH LANDED: 324.67' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts (6022.78') - Includes Shoe Joint  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 6040.39' KB  
CEMENT DATA: 250 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ  
CEMENT TOP AT: 29'

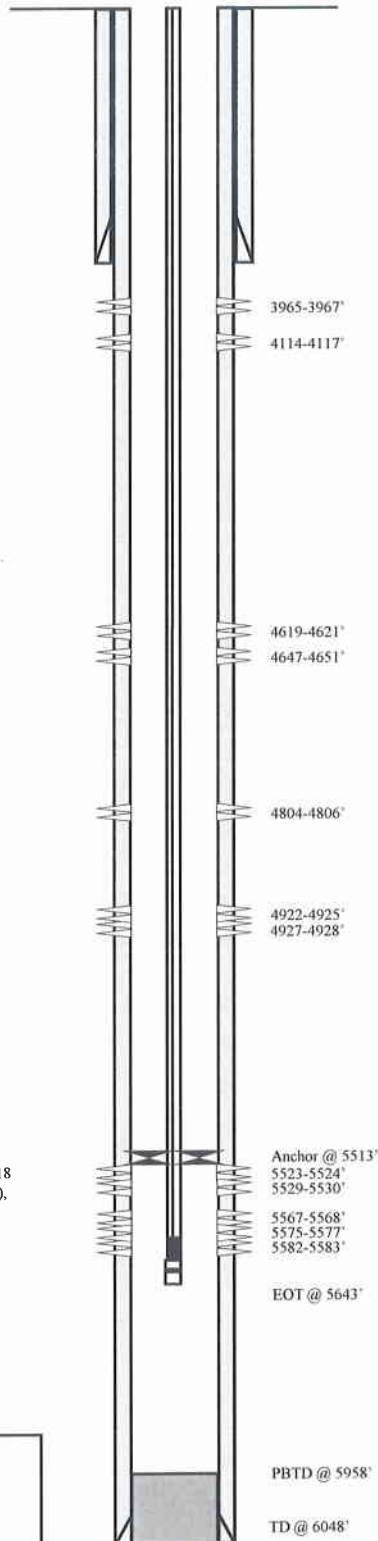
## TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 174 jts (5502.8')  
TUBING ANCHOR: 5512.8' KB  
NO. OF JOINTS: 2 jts (63.2')  
SEATING NIPPLE: 2-7/8" (1.1')  
SN LANDED AT: 5578.8' KB  
NO. OF JOINTS: 2 jts (63.1')  
NOTCHED COLLAR: 5643' KB  
TOTAL STRING LENGTH: EOT @ 5643' KB

## SUCKER RODS

POLISHED ROD: 1 1/2" x 30' Spray Metal Polished Rod  
SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 8' Pony Rod, 118 - 7/8" 4per Guided Rods (2950'), 97 - 3/7" 4per Guided Rods (2425'), 5 - 1 1/2" Weight Bars (125'), 5 - 1" x 4' Stabilizer Bars (20')  
PUMP SIZE: 2 1/2 x 1 3/4" x 21' x 24' RHAC  
STROKE LENGTH: 144  
PUMP SPEED: 5 SPM

## Wellbore Diagram



## FRAC JOB

Date	Interval	Description
8/10/2011	5523-5583'	Frac CP1, CP2 and CP3, sands as follows: Frac with 75484# 20/40 sand in 326 bbls Lightning 17 fluid; 640 total bbls fluid to recover
8/19/2011	4804-4928'	Frac B1 and B2, sands as follows: Frac with 34712# 20/40 sand in 204 bbls Lightning 17 fluid; 404 total bbls fluid to recover
8/19/2011	4619-4651'	Frac D1 and D2, sands as follows: Frac with 49445# 20/40 sand in 217 bbls Lightning 17 fluid; 418 total bbls fluid to recover
8/19/2011	3965-4117'	Frac GB2 and GB4, sands as follows: Frac with 36776# 20/40 sand in 175 bbls Lightning 17 fluid; 344 total bbls fluid to recover

## PERFORATION RECORD

Interval	Tool	Holes
3965-3967'	3 JSPF	6 holes
4114-4117'	3 JSPF	9 holes
4619-4621'	3 JSPF	6 holes
4647-4651'	3 JSPF	12 holes
4804-4806'	3 JSPF	6 holes
4922-4925'	3 JSPF	9 holes
4927-4928'	3 JSPF	3 holes
5523-5524'	3 JSPF	3 holes
5529-5530'	3 JSPF	3 holes
5567-5568'	3 JSPF	3 holes
5575-5577'	3 JSPF	6 holes
5582-5583'	3 JSPF	3 holes

**NEWFIELD**



**Greater Monument Butte C-14-9-16**

517' FSL & 2103' FEL (SW/SE)

Section 11, T9S, R16E

Duchesne, Utah

API # 43-013-50544; Lease #UTU-096550

# Greater Monument Butte F-14-9-16

Spud Date: 10/17/2011  
Put on Production: 12/8/2011  
GL: 5660' KB: 5673'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (306 25')  
DEPTH LANDED 319.57' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cement

### PRODUCTION CASING

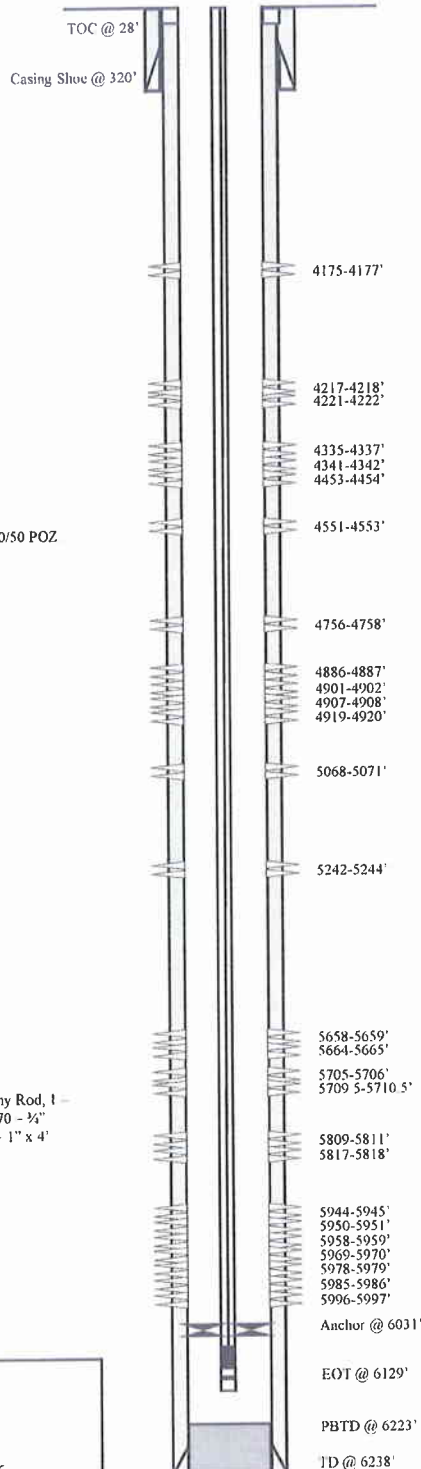
CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 148 jts (6220 56') - Includes 15 77' Shoe Joint  
HOLE SIZE 7-7/8"  
DEPTH LANDED 6241 11' KB  
CEMENT DATA 230 sxs Prem Lite II mixed & 472 sxs 50/50 POZ  
CEMENT TOP AT 28'

### TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 194 jts (6018 1')  
TUBING ANCHOR 6031 1' KB  
NO OF JOINTS 1 jt (31 3')  
SEATING NIPPLE 2-7/8" (1 1')  
SN LANDED AT 6065 2' KB  
NO OF JOINTS 2 jts (61 9')  
NOTCHED COLLAR 6128 2' KB  
TOTAL STRING LENGTH EOT @ 6129' KB

### SUCKER RODS

POLISHED ROD 1 1/2" x 30' Polished Rod  
SUCKER RODS 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 - 7/8" x 8' Pony Rod, 64 - 7/8" 8per Guided Rods (1600'), 170 - 1/2" 4per Guided Rods (4250'), 5 - 1 1/2" Weight Bars (125'), 1 - 1" x 4' 3per Stabilizer Pony  
PUMP SIZE 2 1/2 x 1 1/2" x 20' x 24' RIAC  
STROKE LENGTH 144  
PUMP SPEED 5 SPM



### FRAC JOB

Date	Job ID	Description
11/7/2011	5944-5997'	Frac CP5, sands as follows: Frac with 144685# 20/40 white sand in 1132 bbls Lightning 17 fluid; 1321 total bbls fluid to recover
12/1/2011	5658-5818'	Frac CP1, CP2 and CP3, sands as follows: Frac with 34488# 20/40 white sand in 522 bbls Lightning 17 fluid; 657 total bbls fluid to recover
12/1/2011	5068-5244'	Frac B2 and A3, sands as follows: Frac with 39809# 20/40 white sand in 321 bbls Lightning 17 fluid; 462 total bbls fluid to recover
12/1/2011	4756-4920'	Frac D1 and C-Sand, sands as follows: Frac with 30004# 20/40 white sand in 451 bbls Lightning 17 fluid; 566 total bbls fluid to recover
12/1/2011	4335-4553'	Frac PB7, PB10 and X-Stray, sands as follows: Frac with 45594# 20/40 white sand in 367 bbls Lightning 17 fluid; 492 total bbls fluid to recover
12/1/2011	4175-4222'	Frac GB4 and GB6, sands as follows: Frac with 26458# 20/40 white sand in 223 bbls Lightning 17 fluid; 344 total bbls fluid to recover

### PERFORATION RECORD

Depth Range	Tool Joint	Holes
4175-4177'	3 JSFP	6 holes
4217-4218'	3 JSFP	3 holes
4221-4222'	3 JSFP	3 holes
4335-4337'	3 JSFP	6 holes
4341-4342'	3 JSFP	3 holes
4453-4454'	3 JSFP	3 holes
4551-4553'	3 JSFP	6 holes
4756-4758'	3 JSFP	6 holes
4886-4887'	3 JSFP	3 holes
4901-4902'	3 JSFP	3 holes
4907-4908'	3 JSFP	3 holes
4919-4920'	3 JSFP	3 holes
5068-5071'	3 JSFP	9 holes
5242-5244'	3 JSFP	6 holes
5658-5659'	3 JSFP	3 holes
5664-5665'	3 JSFP	3 holes
5705-5706'	3 JSFP	3 holes
5709-5710'	3 JSFP	3 holes
5809-5811'	3 JSFP	6 holes
5817-5818'	3 JSFP	3 holes
5944-5945'	3 JSFP	3 holes
5950-5951'	3 JSFP	3 holes
5958-5959'	3 JSFP	3 holes
5969-5970'	3 JSFP	3 holes
5978-5979'	3 JSFP	3 holes
5985-5986'	3 JSFP	3 holes
5996-5997'	3 JSFP	3 holes

**NEWFIELD**

Greater Monument Butte F-14-9-16  
1861' FNL & 819' FEL (SE/NE)  
Section 15, T9S, R16E  
Duchesne County, Utah  
API # 43-013-50683; Lease #UTU-017985

**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

**Water Analysis Report**Production Company: **NEWFIELD PRODUCTION (158)**Sample ID: **WA-37095**Well Name: **6-14-9-16**Sample Point: **Tank**Sample Date: **2 /16/2010**Sales Rep: **Randy Huber**Lab Tech: **John Keel**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	2/19/2010	<b>Cations</b>	<b>mg/L</b>	<b>Anions</b>	<b>mg/L</b>
Temperature (°F):	100	Calcium (Ca):	40.00	Chloride (Cl):	6000.00
Sample Pressure (psig):	0	Magnesium (Mg):	-	Sulfate (SO <sub>4</sub> ):	19.00
Specific Gravity (g/cm <sup>3</sup> ):	1.0090	Barium (Ba):	-	Dissolved CO <sub>2</sub> :	-
pH:	7.5	Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	2122.00
Turbidity (NTU):	-	Sodium (Na):	4611.00	Carbonate (CO <sub>3</sub> ):	-
		Potassium (K):	-	H <sub>2</sub> S:	8.00
		Iron (Fe):	0.65	Phosphate (PO <sub>4</sub> ):	-
		Manganese (Mn):	-	Silica (SiO <sub>2</sub> ):	-
		Lithium (Li):	-	Fluoride (F):	-
Calculated T.D.S. (mg/L)	12801	Aluminum (Al):	-	Nitrate (NO <sub>3</sub> ):	-
Molar Conductivity (µS/cm):	19395	Ammonia NH <sub>3</sub> :	-	Lead (Pb):	-
Resistivity (Mohm):	0.5156			Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
		Calcium Carbonate CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO <sub>4</sub>		Barium Sulfate BaSO <sub>4</sub>		Calculated CO <sub>2</sub>
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
Temp °F	Gauge Press. psi											
100	0	2.94	8.44	0.00	-2545.50	0.00	-2680.40	-	-	0.00	-3.78	1.69
80	0	2.22	5.76	0.00	-20.10	0.00	-2845.70	-	-	0.00	-2.56	0.81
100	0	2.94	8.44	0.00	-15.69	0.00	-2680.40	-	-	0.00	-3.78	1.00
120	0	3.63	10.81	0.00	-12.27	0.00	-2434.80	-	-	0.00	-5.43	1.11
140	0	4.30	13.11	0.00	-9.56	0.00	-2144.10	-	-	0.00	-7.57	1.25
160	0	4.92	15.27	0.00	-7.44	0.00	-1838.30	-	-	0.00	-10.27	1.41
180	0	5.45	17.14	0.00	-5.83	0.00	-1540.30	-	-	0.00	-13.58	1.55
200	0	5.86	18.58	0.00	-4.63	0.00	-1265.10	-	-	0.00	-17.57	1.56
220	2.51	6.10	19.61	0.00	-3.81	0.00	-1032.80	-	-	0.00	-22.63	1.58
240	10.3	6.26	20.01	0.00	-3.20	0.00	-821.65	-	-	0.00	-28.24	1.61
260	20.76	6.30	19.95	0.00	-2.77	0.00	-644.24	-	-	0.00	-34.72	1.63
280	34.54	6.24	19.52	0.00	-2.50	0.00	-498.21	-	-	0.00	-42.16	1.66
300	52.34	6.09	18.80	0.00	-2.33	0.01	-380.03	-	-	0.00	-50.69	1.69

**Conclusions:****Notes:**

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate Scaling Index is negative from 80°F to 300°F



# Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory

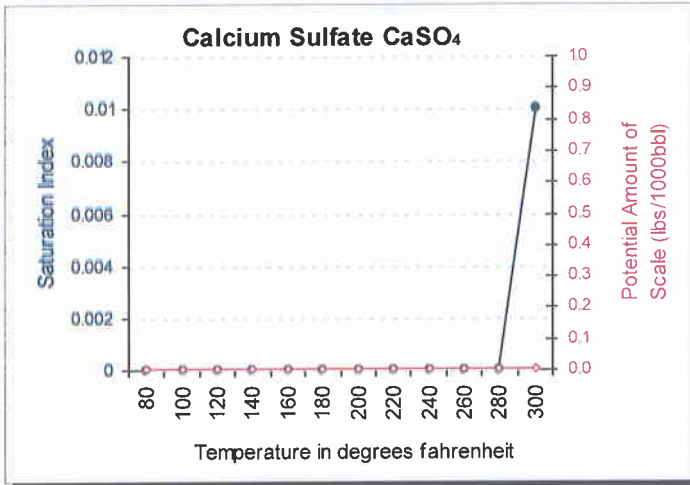
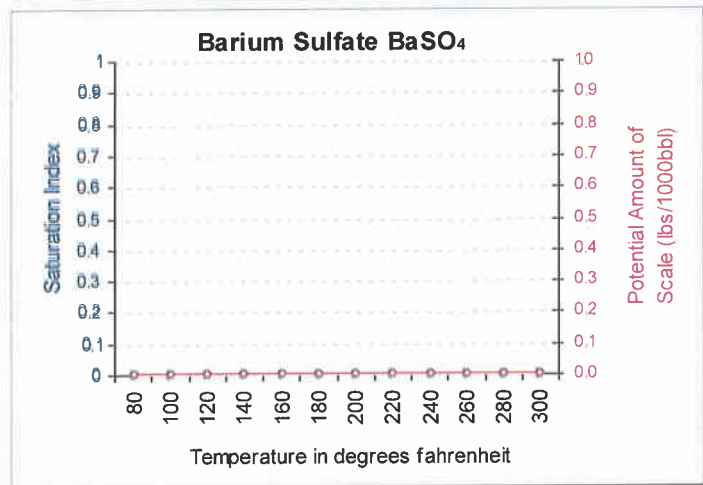
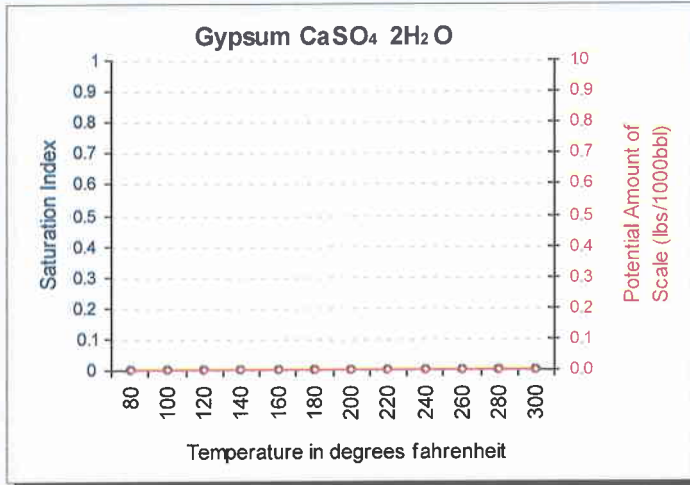
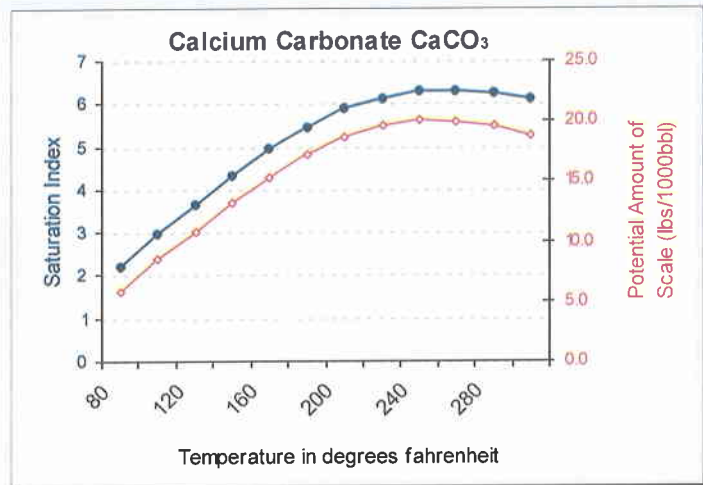
1553 East Highway 40

Vernal, UT 84078

## Scale Prediction Graphs

Well Name: 6-14-9-16

Sample ID: WA-37095





**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION (158)**  
Well Name: **JONAH INJ**  
Sample Point: **Before Filters**  
Sample Date: **1 /1 /2010**  
Sales Rep: **Randy Huber**  
Lab Tech: **John Keel**

Sample ID: **WA-35263**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	1/5/2010	<b>Cations</b>	<b>mg/L</b>	<b>Anions</b>	<b>mg/L</b>
Temperature (°F):	90	Calcium (Ca):	80.00	Chloride (Cl):	4000.00
Sample Pressure (psig):	0	Magnesium (Mg):	48.80	Sulfate (SO <sub>4</sub> ):	323.00
Specific Gravity (g/cm <sup>3</sup> ):	1.0050	Barium (Ba):	34.00	Dissolved CO <sub>2</sub> :	-
pH:	8.5	Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	658.00
Turbidity (NTU):	-	Sodium (Na):	2785.00	Carbonate (CO <sub>3</sub> ):	-
		Potassium (K):	-	H <sub>2</sub> S:	2.00
		Iron (Fe):	2.08	Phosphate (PO <sub>4</sub> ):	-
		Manganese (Mn):	0.57	Silica (SiO <sub>2</sub> ):	-
		Lithium (Li):	-	Fluoride (F):	-
Calculated T.D.S. (mg/L):	7933	Aluminum (Al):	-	Nitrate (NO <sub>3</sub> ):	-
Molar Conductivity (µS/cm):	12020	Ammonia NH <sub>3</sub> :	-	Lead (Pb):	-
Resistivity (Mohm):	0.8319			Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl											
		Calcium Carbonate CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO <sub>4</sub>		Barium Sulfate BaSO <sub>4</sub>		Calculated CO <sub>2</sub>	
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi	
90	0	17.10	29.28	0.02	-1942.70	0.01	-2189.80	-	-	375.54	57.61	0.05	
80	0	14.76	26.59	0.02	20.45	0.01	-2253.30	-	-	464.73	57.64	0.02	
100	0	19.38	31.61	0.02	25.38	0.01	-2104.60	-	-	305.28	57.57	0.03	
120	0	23.68	35.30	0.02	28.95	0.02	-1885.50	-	-	205.05	57.47	0.03	
140	0	27.54	37.86	0.03	31.43	0.02	-1627.30	-	-	140.63	57.32	0.04	
160	0	30.47	38.83	0.03	32.45	0.03	-1356.90	-	-	98.20	57.12	0.04	
180	0	32.13	38.01	0.03	31.89	0.04	-1094.20	-	-	69.69	56.85	0.05	
200	0	32.40	35.56	0.04	29.90	0.06	-852.40	-	-	50.15	56.48	0.05	
220	2.51	31.15	32.24	0.04	27.14	0.08	-647.23	-	-	35.89	55.95	0.05	
240	10.3	29.15	28.12	0.04	23.67	0.13	-463.09	-	-	26.37	55.26	0.05	
260	20.76	26.54	24.01	0.05	20.19	0.21	-308.95	-	-	19.58	54.36	0.05	
280	34.54	23.61	20.22	0.05	16.96	0.35	-182.65	-	-	14.67	53.18	0.05	
300	52.34	20.61	16.94	0.05	14.12	0.58	-81.18	-	-	11.07	51.64	0.05	

**Conclusions:**

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate scale is indicated at all temperatures from 80°F to 300°F

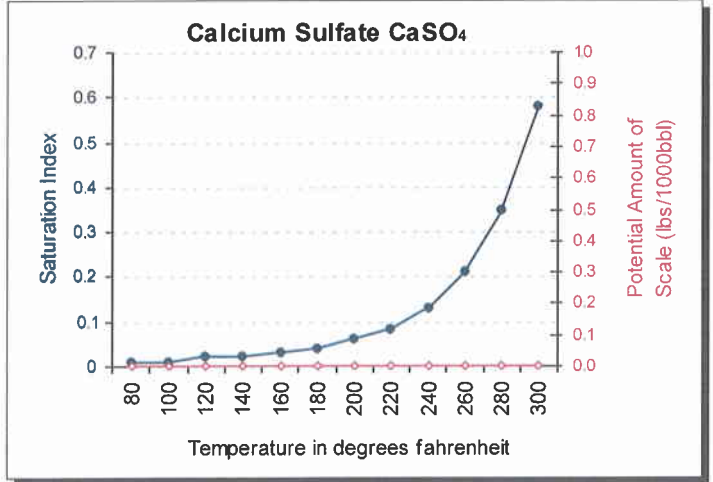
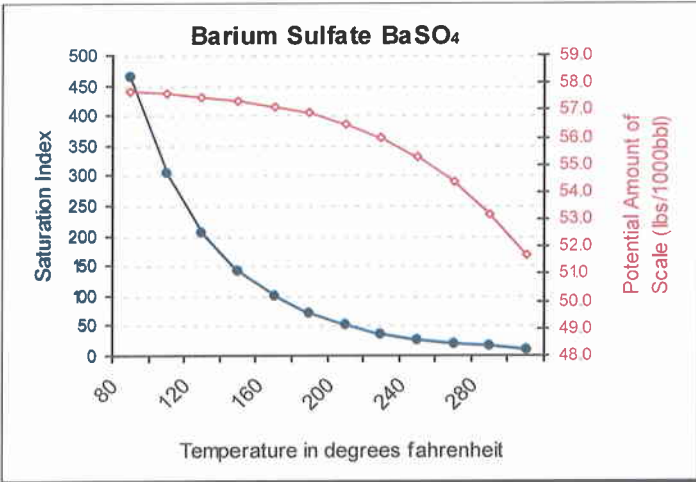
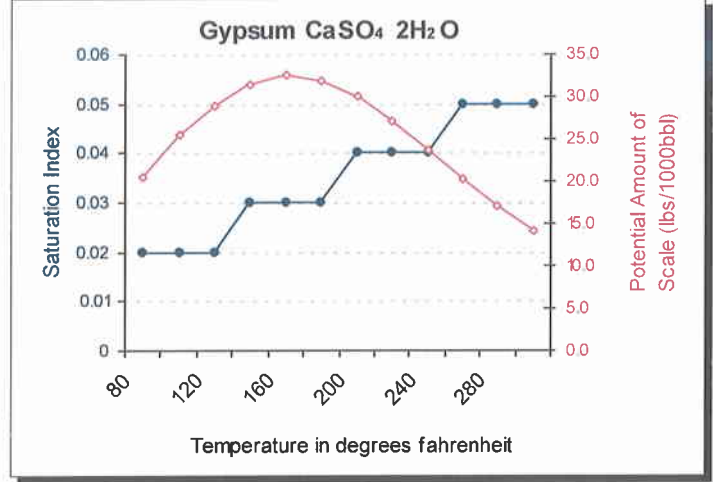
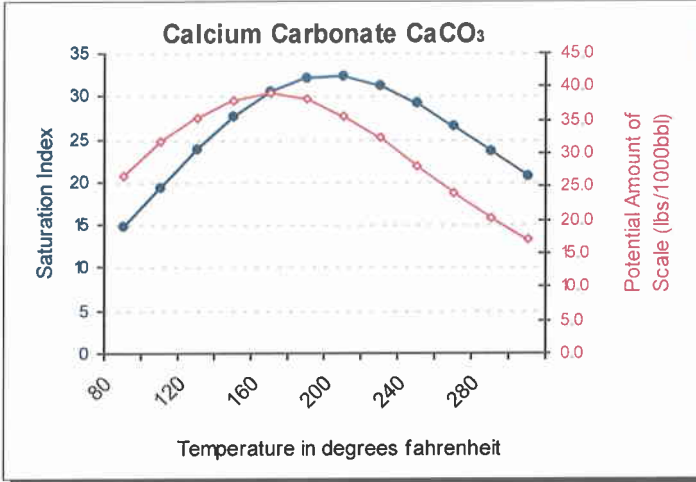
**Notes:**

**Multi-Chem Group, LLC**  
Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

### Scale Prediction Graphs

Well Name: **JONAH INJ**

Sample ID: **WA-35263**



**Attachment "G"**

**Jonah 6-14-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient	Pmax
Top	Bottom			(psi/ft)	
4986	5018	5002	2600	0.95	2568
4898	4906	4902	2360	0.91	2328
4762	4811	4787	1975	0.85	1944
4685	4695	4690	2230	0.91	2200
4047	4055	4051	1830	0.89	1804
				<b>Minimum</b>	<u><u>1804</u></u> ←

**Calculation of Maximum Surface Injection Pressure**

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



Attachment G-1  
1 of 12

## DAILY COMPLETION REPORT

WELL NAME: Jonah 6-14-9-16Report Date: March 10, 2004Completion Day: 01Present Operation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8 5/8 @ 310' Prod Csg: 5 1/2 Wt: 15.5# @ 5854' Csg PBTD: 5772' WL  
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A3 sds	4986-5018'	2/64			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: March 9, 2004SITP: 0 SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU HO trk & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Schlumberger WLT & run CBL under pressure. WL TD @ 5772' & cmt top @ 310'. Perf stage #1 W/ 4" HEGS (22 gram, .45" HE, 19.62" penetration) guns as follows: A3 sds @ 4986-5018' W/ 2 SPF total of 64 shots in 2 runs. SIFN W/ est 139 BWTR.

Starting fluid load to be recovered: 139 Starting oil rec to date: 0  
Fluid lost/recovered today: 0 Oil lost/recovered today: 0  
Ending fluid to be recovered: 139 Cum oil recovered: 0  
IFL: 0 FFL: 0 FTP: 0 Choke: 0 Final Fluid Rate: 0 Final oil cut: 0

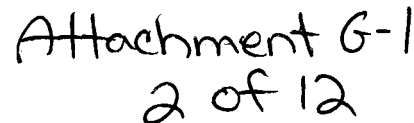
## STIMULATION DETAIL

Base Fluid used: 0 Job Type: 0Company: 0Procedure or Equipment detail: 0

## COSTS

Weatherford BOP	\$130
IPC NU crew	\$300
Hageman trucking	\$850
Schlumberger A sd	\$5,820
Drilling cost	\$183,840
Zubiate HO trk	\$400
Location preparation	\$300
IPC wellhead	\$1,500
Benco - anchors	\$950
Admin. Overhead	\$3,000
IPC supervision	\$300
Tiger Trucking	\$850

Max TP: 0 Max Rate: 0 Total fluid pmpd: 0Avg TP: 0 Avg Rate: 0 Total Prop pmpd: 0ISIP: 0 5 min: 0 10 min: 0 FG: 0Completion Supervisor: Ron ShuckDAILY COST: \$198,240TOTAL WELL COST: \$198,240



**WELL NAME:** Jonah 6-14-9-16 **Report Date:** March 12, 2004 **Completion Day:** 02  
**Present Operation:** Completion **Rig:** Rigless

Surf Csg: 8 5/8 @ 310' Prod Csg: 5 1/2 Wt: 15.5# @ 5854' Csg PBTD: 5772' WL  
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>A3 sds</u>	<u>4986-5018'</u>	<u>2/64</u>			

**Date Work Performed:** **March 11, 2004** **SITP:**            **SICP:** 0

RU BJ Services "Ram Head" frac head. RU BJ & frac A3 snbs stage #1 @ 4986-5018' w/ 105,000#'s 20/40 sand in 855 bbls Lightning 17 frac fluid. Open well on vacuum. Perfs broke down @ 2114 psi, back to 1150 psi. Treated @ ave pressure of 2160, @ ave rate of 24.7 bpm w/ 8 ppg of sand. ISIP was 2600 psi. 994 bbls EWTR. RU Schlumberger WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow-through frac plug & 4" x 8' perf gun. Lost composite plug, setting tool, 8' HEGS perf gun & collar locator down hole when opening BOP. RD BJ & WLT. Begin immediate flowback of well on 12/64 choke @ 1 bpm w/ 1800 psi on well. Well flowed 5.5 hours & died w/ 333 bbls rec'd (39% frac). SIFN. 661 bbls EWTR.

Starting fluid load to be recovered:	994	Starting oil rec to date:	0
Fluid lost/recovered today:	333	Oil lost/recovered today:	
Ending fluid to be recovered:	661	Cum oil recovered:	0
IFL:	FFL:	FTP:	
Choke:	Final Fluid Rate:	Final oil cut:	

Base Fluid used: Lightning 17 Job Type: Sand Frac  
Company: BJ Services  
Procedure or Equipment detail: A3 sds down casing

Weatherford BOP	\$130
Weatherford Services	\$2,700
Zubiate HO trk	\$800
Betts wtr trk	\$750
R&R Propane	\$640
IPC fuel	\$400
IPC supervisor	\$300
BJ Services	\$26,170

**\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\***

Max TP: <u>2929</u>	Max Rate: <u>24.9</u>	Total fluid pmpd: <u>855 bbls</u>
Avg TP: <u>2160</u>	Avg Rate: <u>24.7</u>	Total Prop pmpd: <u>105,00#s</u>
ISIP: <u>2600</u>	5 min: _____	10 min: _____
		FG: <u>.95</u>
Completion Supervisor: <u>Ron Shuck</u>		

**DAILY COST:**                     \$31,890                    

**TOTAL WELL COST:**                     \$230,780



Attachment G-1  
3 of 12

### DAILY COMPLETION REPORT

WELL NAME: Jonah 6-14-9-16

Report Date: March 13, 2004

Completion Day: 03

Present Operation: Completion

Rig: EC#1

#### WELL STATUS

Surf Csg: 8 5/8 @ 310' Prod Csg: 5 1/2 Wt: 15.5# @ 5854' Csg PBTD: 5772' WL  
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A3 sds	4986-5018'	2/64			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: March 12, 2004

SITP:            SICP: 20

Bled well down, 20 psi. Well flowing frac gel & oil. Tally, PU TIH w/ Hylsa 2-7/8, J-55, 6.5# New tbg. TIH w/ 4-3/8" overshot, 3-3/8" graphel, X-over nipple, Bumper sub, Jars, X-over nipple, 171 jts tbg to tag fill @ 5611'. RU pump. Circulate sand to fish @ 5721'. Latch onto fish. Work jares @ 30,000#'s over string weight. TOOH w/ fish & tbg. Leave hang @ 4420'. No water loss. SIFN.

Starting fluid load to be recovered: 994 Starting oil rec to date: 0  
Fluid lost/recovered today: 333 Oil lost/recovered today:             
Ending fluid to be recovered: 661 Cum oil recovered: 0  
IFL:            FFL:            FTP:            Choke:            Final Fluid Rate:            Final oil cut:           

#### STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand Frac

Company: BJ Services

Procedure or Equipment detail:

#### COSTS

EC#1 Rig	\$3,740
Weatherford BOP	\$130
Fletcher trucking	\$800
IPC Supervisor	\$300
IPC wtr trk	\$600
IPC Surface equipment	\$100,000
IPC welding	\$8,000
RNI wtr disposal	\$600
Aztec tubing	\$24,020

Max TP:            Max Rate:            Total fluid pmpd:           

Avg TP:            Avg Rate:            Total Prop pmpd:           

ISIP:            5 min:            10 min:            FG:           

Completion Supervisor: Ron Shuck

DAILY COST: \$138,190

TOTAL WELL COST: \$368,970



Attachment G-1  
4 of 12

### DAILY COMPLETION REPORT

WELL NAME: Jonah 6-14-9-16 Report Date: March 14, 2004 Completion Day: 04  
Present Operation: Completion Rig: EC#1

#### WELL STATUS

Surf Csg: 8 5/8 @ 310' Prod Csg: 5 1/2 Wt: 15.5# @ 5854' Csg PBTD: 5772' WL  
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
A3 sds	4986-5018'	2/64			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: March 13, 2004 SITP:  SICP: 20

Bled well down, 20 psi. Finish TOOH w/ tbg. RD Fish tools. LD guns, collar locator, setting tool & plug (didn't leave anything behind). SIFN.

Starting fluid load to be recovered: 661 Starting oil rec to date: 0  
Fluid lost/recovered today: 0 Oil lost/recovered today:   
Ending fluid to be recovered: 661 Cum oil recovered: 0  
IFL:  FFL:  FTP:  Choke:  Final Fluid Rate:  Final oil cut:

#### STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand Frac  
Company: BJ Services  
Procedure or Equipment detail:

#### COSTS

EC#1 Rig	\$2,060
Weatherford BOP	\$130
IPC Supervision	\$300

Max TP:  Max Rate:  Total fluid pmpd:   
Avg TP:  Avg Rate:  Total Prop pmpd:   
ISIP:  5 min:  10 min:  FG:   
Completion Supervisor: Ron Shuck

DAILY COST: \$2,490  
TOTAL WELL COST: \$371,460



Attachment G-1  
5 of 12

### DAILY COMPLETION REPORT

WELL NAME: Jonah 6-14-9-16 Report Date: March 16, 2004 Completion Day: 05a  
Present Operation: Completion Rig: EC#1

#### WELL STATUS

Surf Csg: 8 5/8 @ 310' Prod Csg: 5 1/2 Wt: 15.5# @ 5854' Csg PBTD: 5772' WL  
Tbg: Size: 2-7/8" Wt: 6.5# Grd: j-55 Pkr/EOT @: BP/Sand PBTD: 4948'

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A3 sds	4986-5018'	2/64
A.5 sds	4898-4906'	4/32			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: March 15, 2004 SITP:            SICP: 20

Day5(a).

Wait on Schlumberger. RU Schlumberger WLT & lubricator. RIH w/ Weatherford 5-1/2" composite flow-through plug & 8' perf guns. Collar locator wouldn't work (try new one). RIH & set plug @ 4948'. Perforate A.5 sds, stage #2 @ 4898-4906' w/ 4" disposable HEGS (22 gram, .45" HE), 4 spf for a total of 32 shots in 2 runs. RU BJ Services "Ram Head" frac head. RU BJ & frac A.5 sds w/ 20,600#'s of 20/40 sand in 249 bbls Lightning 17 frac fluid. Perfs broke down @ 3374 psi back to 2470 psi. Treated @ ave pressure of 2825, @ ave rate of 24.7 bpm, w/ up to 8 ppg of sand. 2360 was ISIP. 910 bbls EWTR. Leave pressure on well.

See day5(b)

Starting fluid load to be recovered: <u>661</u>	Starting oil rec to date: <u>0</u>
Fluid lost/recovered today: <u>249</u>	Oil lost/recovered today: <u>          </u>
Ending fluid to be recovered: <u>910</u>	Cum oil recovered: <u>0</u>
IFL: <u>          </u> FFL: <u>          </u> FTP: <u>          </u> Choke: <u>          </u>	Final Fluid Rate: <u>          </u> Final oil cut: <u>          </u>

#### STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand Frac  
Company: BJ Services  
Procedure or Equipment detail: A.5 sds down casing

1596 gals of pad

1250 gals w/ 1-5 ppg of 20/40 sand

2719 gals w/ 5-8 ppg of 20/40 sand

Flush w/ 4893 gals of slick water

**\*\*Flush called @ blender--includes 2 bbls for pump/line volume\*\***

Max TP: 3373 Max Rate: 24.7 Total fluid pmpd: 249 bbls

Avg TP: 2825 Avg Rate: 24.7 Total Prop pmpd: 20,600#'s

ISIP: 2360 5 min:            10 min:            FG: .92

Completion Supervisor: Ron Shuck

#### COSTS

EC#1 Rig	
Weatherford BOP	\$40
IPC Supervision	\$80
Betts frac wtr	\$750
Zubiate Hot Oil	\$310
R&R propane	\$200
IPC fuel gas	\$620
Schlumberger A.5 sds	\$3,200
BJ Services A.5 sds	\$13,560
Weatherford Services	\$2,200

DAILY COST: \$20,960

TOTAL WELL COST: \$371,460



Attachment G-1  
6 of 12

### DAILY COMPLETION REPORT

WELL NAME: Jonah 6-14-9-16 Report Date: March 16, 2004 Completion Day: 05b  
Present Operation: Completion Rig: EC#1

#### WELL STATUS

Surf Csg: 8 5/8 @ 310' Prod Csg: 5 1/2 Wt: 15.5# @ 5854' Csg PBTD: 5772' WL  
Tbg: Size: 2-7/8" Wt: 6.5# Grd: j-55 Pkr/EOT @:            BP/Sand PBTD: 4850'  
Plugs 4948'

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A3 sds	4986-5018'	2/64
B.5 sds	4762-4768'	4/24			
B2 sds	4803-4811'	4/32			
A.5 sds	4898-4906'	4/32			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: March 15, 2004 SITP:            SICP: 1130

Day5(b).

RU Schlumberger. RIH w/ Weatherford 5-1/2" composite flow-through plug & 8' & 6' perf guns. Set plug @ 4948'. Perforate B2 sds, stage #3 @ 4803-4811' & B.5 sds @ 4762-4768' w/ 4" HEGS, 4 spf for a total of 56 shots in 1 runs. RU BJ & frac B sds w/ 58,600#'s of 20/40 sand in 464 bbls Lightning 17 frac fluid. Open well w/ 1130 psi on csg. Perfs broke down @ 3896 psi back to 2000 psi. Treated @ ave pressure of 2080, @ ave rate of 24.7 bpm, w/ 8 ppg of sand. 1975 was ISIP. 1374 bbls EWTR. Leave pressure on well.

See day5(c)

Starting fluid load to be recovered: 910 Starting oil rec to date: 0  
Fluid lost/recovered today: 464 Oil lost/recovered today:             
Ending fluid to be recovered: 1374 Cum oil recovered: 0  
IFL:            FFL:            FTP:            Choke:            Final Fluid Rate:            Final oil cut:           

#### STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand Frac  
Company: BJ Services  
Procedure or Equipment detail: B sds down casing

4620 gals of pad

3000 gals w/ 1-5 ppg of 20/40 sand

6000 gals w/ 5-8 ppg of 20/40 sand

1109 gals w/ 8 ppg of 20/40 sand

Flush w/ 4759 gals of slick water

**\*\*Flush called @ blender--includes 2 bbls for pump/line volume\*\***

Max TP: 3896 Max Rate: 25.1 Total fluid pmpd: 464 bbls

Avg TP: 2080 Avg Rate: 24.7 Total Prop pmpd: 58,600#'s

ISIP: 1975 5 min:            10 min:            FG: .85

Completion Supervisor: Ron Shuck

#### COSTS

EC#1 Rig	\$1,450
Weatherford BOP	\$40
IPC Supervision	\$80
Betts frac wtr	\$820
Zubiate Hot Oil	\$510
R&R propane	\$410
IPC fuel gas	\$550
Schlumberger B sds	\$3,200
BJ Services B sds	\$11,960
Weatherford Services	\$2,450

DAILY COST: \$21,470

TOTAL WELL COST: \$392,930



Attachment G-1  
7 of 12

### DAILY COMPLETION REPORT

WELL NAME: Jonah 6-14-9-16

Report Date: March 16, 2004

Completion Day: 05c

Present Operation: Completion

Rig: EC#1

#### WELL STATUS

Surf Csg: 8 5/8 @ 310' Prod Csg: 5 1/2 Wt: 15.5# @ 5854' Csg PBTD: 5772' WL  
Tbg: Size: 2-7/8" Wt: 6.5# Grd: j-55 Pkr/EOT @:            BP/Sand PBTD: 4725'  
Plugs 4948' 4850'

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A3 sds	4986-5018'	2/64
C sds	4685-4695'	4/40			
B.5 sds	4762-4768'	4/24			
B2 sds	4803-4811'	4/32			
A.5 sds	4898-4906'	4/32			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: March 15, 2004

SITP:            SICP: 20

Day5(c).

RU Schlumberger. RIH w/ Weatherford 5-1/2" composite flow-through plug & 10' perf guns. Set plug @ 4725'. Perforate C sds, stage #4 @ 4685-4695' w/ 4" HEGS, 4 spf for a total of 40 shots in 1 runs. RU BJ. Perfs won't breakdown @ 4200 psi. RU 3-3/8"x20' dump bailer. Spot 10 gals 15% HCL on perfs. Perfs won't break down (bled off 100 pounds to 4078 psi in 10 minutes). Spot 10 more gals of acid. Schlumberger closed blind rams on BOP on top 7' of dump bailer on there way out. Flowback well on 12/64 choke w/ 1300 psi. Well flowed for 4 hours and died w/ 200 bbls rec'd (28% of frac). SIFN.

Starting fluid load to be recovered: 1374

Starting oil rec to date: 0

Fluid lost/recovered today: 200

Oil lost/recovered today:           

Ending fluid to be recovered: 1174

Cum oil recovered: 0

IFL:            FFL:            FTP:            Choke:            Final Fluid Rate:            Final oil cut:           

#### STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand Frac

Company: BJ Services

Procedure or Equipment detail: C sds down casing

==== gals of pad

==== gals w/ 1-5 ppg of 20/40 sand

==== gals w/ 5-8 ppg of 20/40 sand

==== gals w/ 8 ppg of 20/40 sand

Flush w/ ==== gals of slick water

\*\*Flush called @ blender--includes 2 bbls for pump/line volume\*\*

Max TP:            Max Rate:            Total fluid pmpd:           

Avg TP:            Avg Rate:            Total Prop pmpd:           

ISIP:            5 min:            10 min:            FG:           

Completion Supervisor: Ron Shuck

#### COSTS

EC#1 Rig	\$1,450
Weatherford BOP	\$40
IPC Supervision	\$80
Betts frac wtr	\$720
Zubiate Hot Oil	\$450
R&R propane	\$360
IPC fuel gas	\$240
Weatherford Services	\$2,450
IPC flowback hand	\$210

DAILY COST: \$6,000

TOTAL WELL COST: \$398,930





Attachment G-1  
8 of 12

### DAILY COMPLETION REPORT

WELL NAME: Jonah 6-14-9-16 Report Date: March 17, 2004 Completion Day: 06a  
Present Operation: Completion Rig: EC#1

#### WELL STATUS

Surf Csg: 8 5/8 @ 310' Prod Csg: 5 1/2 Wt: 15.5# @ 5854' Csg PBTD: 5772' WL  
Tbg: Size: 2-7/8" Wt: 6.5# Grd: j-55 Pkr/EOT @: BP/Sand PBTD: 4725'  
Plugs 4948' 4850'

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A3 sds	4986-5018'	2/64
C sds	4685-4695'	4/40			
B.5 sds	4762-4768'	4/24			
B2 sds	4803-4811'	4/32			
A.5 sds	4898-4906'	4/32			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: March 16, 2004 SITP:            SICP: 20

Day6(a).

Remove smashed dump bailer from well head. RU Schlumberger. RIH w/ dump bailer (new). Tag sand top @ 4610' (75' of sand on perfs). TIH w/ tbg & circulate sand to 5005'. TOOH w/ tbg & NC. RU BJ & frac C sds, stage #4 w/ 53,600#s of 20/40 sand in 449 bbls of Lightning 17 frac fluid. Perfs broke down @ 2758 psi, back to 2100 psi. Treated @ ave pressure of 2810 w/ ave rate of 24.4 bpm w/ 8 ppg of sand. Spotted 6 bbls acid on flush for next stage. ISIP was 2230 psi. 1623 bbls EWTR. Leave pressure on well. **See day6(b).**

Starting fluid load to be recovered: 1174 Starting oil rec to date: 0  
Fluid lost/recovered today: 449 Oil lost/recovered today:             
Ending fluid to be recovered: 1623 Cum oil recovered: 0  
IFL:            FFL:            FTP:            Choke:            Final Fluid Rate:            Final oil cut:           

#### STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand Frac

Company: BJ Services

Procedure or Equipment detail: C sds down casing

4410 gals of pad

2944 gals w/ 1-5 ppg of 20/40 sand

5872 gals w/ 5-8 ppg of 20/40 sand

949 gals w/ 8 ppg of 20/40 sand

Flush w/ 4683 gals of slick water

Spotted 6 bbls 15% HCL in flush for next stage.

**\*\*Flush called @ blender--includes 2 bbls for pump/line volume\*\***

Max TP: 3547 Max Rate: 24.4 Total fluid pmpd: 449 bbls

Avg TP: 2810 Avg Rate: 24.4 Total Prop pmpd: 53,600#s

ISIP: 2230 5 min:            10 min:            FG: .91

Completion Supervisor: Ron Shuck

#### COSTS

EC#1 Rig	\$1,310
Weatherford BOP	\$70
IPC Supervision	\$150
Weatherford Seives	\$550
Schlumberger C sds	\$3,000
BJ Services C sds	\$19,440

DAILY COST: \$24,520

TOTAL WELL COST: \$423,450



Attachment G-1  
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### DAILY COMPLETION REPORT

**WELL NAME:** Jonah 6-14-9-16 **Report Date:** March 17, 2004 **Completion Day:** 06b  
**Present Operation:** Completion **Rig:** EC#1

#### WELL STATUS

**Surf Csg:** 8 5/8 **@** 310' **Prod Csg:** 5 1/2 **Wt:** 15.5# **@** 5854' **Csg PBTD:** 5772' WL  
**Tbg:** **Size:** 2-7/8" **Wt:** 6.5# **Grd:** j-55 **Pkr/EOT @:**            **BP/Sand PBTD:** 4100'  
**Plugs** 4948' 4850' 4725'

#### PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>GB6 sds</u>	<u>4047-4055'</u>	<u>4/32</u>	<u>A3 sds</u>	<u>4986-5018'</u>	<u>2/64</u>
<u>C sds</u>	<u>4685-4695'</u>	<u>4/40</u>			
<u>B.5 sds</u>	<u>4762-4768'</u>	<u>4/24</u>			
<u>B2 sds</u>	<u>4803-4811'</u>	<u>4/32</u>			
<u>A.5 sds</u>	<u>4898-4906'</u>	<u>4/32</u>			

#### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** March 16, 2004 **SITP:**            **SICP:** 962

Day6(b).

RU Schlumberger. RIH w/ Weatherford 5-1/2" composite flow-through frac plug & 8' perf gun. Set plug @ 4100'. Perforate GB6 sds stage #5 @ 4047-4055' w/ 4 spf, 4" HEGS for a total of 32 shots in 1 run. RU BJ & frac GB6 sds w/ 27,989#'s of 20/40 sand in 268 bbls of Lightning 17 frac fluid. Perfs broke down @ 2999 psi, back to 1876 psi. Treated @ ave pressure of 1685 w/ ave rate of 24.7 bpm w/ up to 8 ppg of sand. ISIP was 1830 psi. 1891 bbls EWTR. Begin immediate flow back on well w/ 12/64 choke @ 1 bpm @ 1375 psi. Well flowed for 4 hours & died w/ 208 bbls rec'd (29% of frac). 1683 bbls EWTR. SIFN.

**Starting fluid load to be recovered:** 1623 **Starting oil rec to date:** 0  
**Fluid lost/recovered today:** 60 **Oil lost/recovered today:**             
**Ending fluid to be recovered:** 1683 **Cum oil recovered:** 0  
**IFL:**            **FFL:**            **FTP:**            **Choke:**            **Final Fluid Rate:**            **Final oil cut:**           

#### STIMULATION DETAIL

**Base Fluid used:** Lightning 17 **Job Type:** Sand Frac  
**Company:** BJ Services  
**Procedure or Equipment detail:** GB6 sds down casing

2016 gals of pad

1569 gals w/ 1-5 ppg of 20/40 sand

3710 gals w/ 5-8 ppg of 20/40 sand

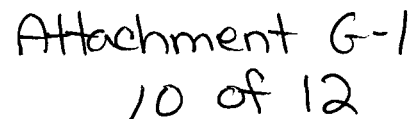
Flush w/ 3960 gals of slick water

#### COSTS

<u>EC#1 Rig</u>	<u>\$1,310</u>
<u>Weatherford BOP</u>	<u>\$70</u>
<u>IPC Supervision</u>	<u>\$150</u>
<u>Betts frac wtr</u>	<u>\$360</u>
<u>Zubiate Hot Oil</u>	<u>\$220</u>
<u>R&amp;R propane</u>	<u>\$180</u>
<u>IPC fuel gas</u>	<u>\$300</u>
<u>Weatherford Services</u>	<u>\$2,200</u>
<u>IPC flowback hand</u>	<u>\$210</u>
<u>BJ Services GB6</u>	<u>\$9,460</u>
<u>Schlumberger GB6</u>	<u>\$1,800</u>
<u>RNI wtr disposal</u>	<u>\$1,300</u>

**Max TP:** 3104 **Max Rate:** 25.2 **Total fluid pmpd:** 268 bbls  
**Avg TP:** 1685 **Avg Rate:** 24.7 **Total Prop pmpd:** 27,989#'s  
**ISIP:** 1830 **5 min:**            **10 min:**            **FG:** .88  
**Completion Supervisor:** Ron Shuck

**DAILY COST:** \$17,560  
**TOTAL WELL COST:** \$441,010



WELL NAME: Jonah 6-14-9-16 Report Date: March 18, 2004 Completion Day: 07  
Present Operation: Completion Rig: EC#1

## WELL STATUS

Surf Csg:	8 5/8	@	310'	Prod Csg:	5 1/2	Wt:	15.5#	@	5854'	Csg PBDT:	5832
Tbg:	Size:	2-7/8"	Wt:	6.5#	Grd:	j-55	Pkr/EOT	@	5750'	BP/Sand PBDT:	5832'

## PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
GB6 sds	4047-4055'	4/32	A3 sds	4986-5018'	2/64
C sds	4685-4695'	4/40			
B.5 sds	4762-4768'	4/24			
B2 sds	4803-4811'	4/32			
A.5 sds	4898-4906'	4/32			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: **March 17, 2004** SITP: 50 SICP: 50

Bleed pressure off well. Rec est 8 BTF. ND Cameron BOP & frac head. Install 3M production tbg head & NU Graco Townsend BOP. TIH W/ new Varel 4 3/4" center-bored & skirted tooth bit, bit sub & tbg. Tbg displaced 11 BW on TIH. Tag sd @ 3997'. RU power swivel. C/O sd & drill out composite plugs as follows: sd @ 3997', plug @ 4100 in 8 minutes; sd @ 4514', plug @ 4725' in 5 minutes; no sd, plug @ 4850' in 13 minutes; no sand, plug @ 4948' in 15 minutes. Hang back swivel & TIH W/ single jts. Tag fill @ 5730'. RU swivel. Drill plug remains & sd to PBDT @ 5832'. Circ hole clean. Gained approx. 56 BW during C/O's. RD swivel. Pull EOT to 5750'. SIFN W/ est 1608 BWTR.

Starting fluid load to be recovered:	<u>1683</u>	Starting oil rec to date:	<u>0</u>
Fluid lost/ <u>recovered</u> today:	<u>75</u>	Oil lost/recovered today:	<u>          </u>
Ending fluid to be recovered:	<u>1608</u>	Cum oil recovered:	<u>0</u>
IFL:	FFL:	FTP:	Choke:
			Final Fluid Rate:
			Final oil cut:

### STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Procedure or Equipment detail: \_\_\_\_\_

## COSTS

EC#1 Rig	\$3,142
Weatherford BOP	\$70
Graco BOP	\$130
Graco circ head / elem.	\$600
McConkie - Varel bit	\$1,450
Four star swivel	\$450
IPC trucking	\$200
IPC supervision	\$300

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_  
 Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_  
 ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: \_\_\_\_\_  
 Completion Supervisor: **Gary Dietz**

DAILY COST: \$6,342

TOTAL WELL COST: \$447,352



Attachment G-1  
11 of 12

### DAILY COMPLETION REPORT

WELL NAME: Jonah 6-14-9-16 Report Date: March 19, 2004 Completion Day: 08  
Present Operation: Completion Rig: EC#1

#### WELL STATUS

Surf Csg: 8 5/8 @ 310' Prod Csg: 5 1/2 Wt: 15.5# @ 5854' Csg PBTD: 5832  
Tbg: Size: 2-7/8" Wt: 6.5# Grd: j-55 Anchor @: 4942' BP/Sand PBTD: 5832'

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	<u>4047-4055'</u>	<u>4/32</u>	A3 sds	<u>4986-5018'</u>	<u>2/64</u>
C sds	<u>4685-4695'</u>	<u>4/40</u>			
B.5 sds	<u>4762-4768'</u>	<u>4/24</u>			
B2 sds	<u>4803-4811'</u>	<u>4/32</u>			
A.5 sds	<u>4898-4906'</u>	<u>4/32</u>			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: March 18, 2004 SITP: 50 SICP: 50

Bleed pressure off well. Rec est 26 BTF (lg tr oil) & stays flowing intermittently. RU swab equipment. Made 12 swb runs rec 198 BTF (est 168 BW & 30 BO) W/ no sand & strong gas. FFL @ 1600'. FOC @ 35%. TIH W/ tbg. Tag sd @ 5829' (3' new fill). C/O to PBTD @ 5832'. Circ hole clean. Lost est 85 BW & rec add'l 20 BO. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new Randys' 5 1/2" TA (45K) & 150 jts 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 4942' W/ SN @ 4977' & EOT @ 5044'. Land tbg W/ 16,000# tension. NU wellhead. SIFN W/ est 1525 BWTR.

Starting fluid load to be recovered: 1608 Starting oil rec to date: 0  
Fluid lost/recovered today: 83 Oil lost/recovered today: 50  
Ending fluid to be recovered: 1525 Cum oil recovered: 50  
IFL: sfc FFL: 1600' FTP:  Choke:  Final Fluid Rate:  Final oil cut: 35%

#### TUBING DETAIL

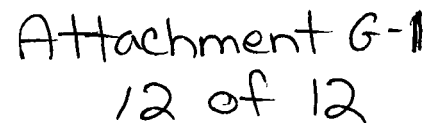
#### ROD DETAIL

#### COSTS

KB	<u>12.5'</u>		EC#1 Rig	<u>\$3,006</u>
150	<u>2 7/8 J-55 tbg (4929.09')</u>		Weatherford BOP	<u>\$130</u>
	<u>TA (2.80' @ 4941.59' KB)</u>		Randys' TA	<u>\$450</u>
1	<u>2 7/8 J-55 tbg (33.02')</u>		Randys' SN	<u>\$70</u>
	<u>SN (1.10' @ 4977.41' KB)</u>		IPC trucking	<u>\$300</u>
2	<u>2 7/8 J-55 tbg (65.08')</u>		IPC location cleanup	<u>\$300</u>
	<u>2 7/8 NC (.45')</u>		Monks pit reclaim	<u>\$1,200</u>
EOT	<u>5044.04' W/ 12.5' KB</u>		RNI wtr disposal	<u>\$3,000</u>
			Mt. West sanitation	<u>\$300</u>
			IPC supervision	<u>\$300</u>

Completion supervisor: Gary Dietz

DAILY COST: \$9,056  
TOTAL WELL COST: \$456,408



WELL NAME: Jonah 6-14-9-16 Report Date: March 20, 2004 Completion Day: 09  
Present Operation: Completion Rig: EC#1

Surf Csg:	<u>8 5/8</u>	@	<u>310'</u>	Prod Csg:	<u>5 1/2</u>	Wt:	<u>15.5#</u>	@	<u>5854'</u>	Csg PBDT:	<u>5832'</u>
Tbg:	<u>Size:</u>	<u>2-7/8"</u>	Wt:	<u>6.5#</u>	<u>Grd:</u>	<u>j-55</u>	Anchor @:	<u>4942'</u>	BP/Sand PBDT:	<u>5832'</u>	

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
GB6 sds	4047-4055'	4/32	A3 sds	4986-5018'	2/64
C sds	4685-4695'	4/40			
B.5 sds	4762-4768'	4/24			
B2 sds	4803-4811'	4/32			
A.5 sds	4898-4906'	4/32			

**Date Work Performed:** **March 19, 2004** **SITP:** 0 **SICP:** 0

RU HO trk & flush tbg W/ 30 BW @ 250°. PU & TIH W/ pump and rod string as follows: new Randys' 2 1/2" X 1 1/2" X 16' RHAC pump, 6-1 1/2" weight rods, 10-3/4" scraped rods, 83-3/4" plain rods, 99-3/4" scraped rods, 1-8', 1-6' & 1-2' X 3/4" pony rods and 1 1/2" X 22' polished rod. All rods "B" grade except btm 10 scraped rods. Seat pump and RU pumping unit. W/ hole full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1555 BWTR.

**Place well on production @ 12:15 PM 3/19/2004 W/ 86" SL @ 6 SPM.**

Starting fluid load to be recovered:	<u>1525</u>	Starting oil rec to date:	<u>50</u>
Fluid <u>lost</u> /recovered today:	<u>30</u>	Oil <u>lost</u> /recovered today:	<u>0</u>
Ending fluid to be recovered:	<u>1555</u>	Cum oil recovered:	<u>50</u>
IFL:	FFL:	FTP:	Choke:
			Final Fluid Rate:
			Final oil cut:

			EC#1 Rig	\$2,742
KB	12.5'	1 1/2" X 22' polished rod	Randys' rod pump	\$1,000
150	2 7/8 J-55 tbg (4929.09')	1-8', 1-6', 1-2' X 3/4" ponies	A & B grade rod string	\$7,994
	TA (2.80' @ 4941.59' KB)	99-3/4" scapered rods	15-3/4" rod cplgs	\$75
1	2 7/8 J-55 tbg (33.02')	83-3/4" plain rods	Zubiate HO trk	\$776
	SN (1.10' @ 4977.41' KB)	10-3/4" scraped rods	Tiger tks (10 days)	\$1,600
2	2 7/8 J-55 tbg (65.08')	6-1 1/2" weight rods	IPC frac tks (6X8 days)	\$1,920
	2 7/8 NC (.45')	Randys' 2 1/2" X 1 1/2" X 16'	IPC frac head	\$500
EOT	5044.04' W/ 12.5' KB	RHAC pump W/ SM plunger	IPC swab tk (7 days)	\$280
			IPC supervision	\$300

**TOTAL WELL COST: \$473,595**

**Completion supervisor:** Gary Dietz

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 3997'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 171' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 42 sx Class "G" Cement down 5-1/2" casing to 361'

The approximate cost to plug and abandon this well is \$59,344.

# Jonah 6-14-9-16

Spud Date: 6/10/03  
Put on Production: 3/19/04  
GL: 5593' KB:5605'

Initial Production: 147 BOPD,  
140 MCFD, 9 BWPD

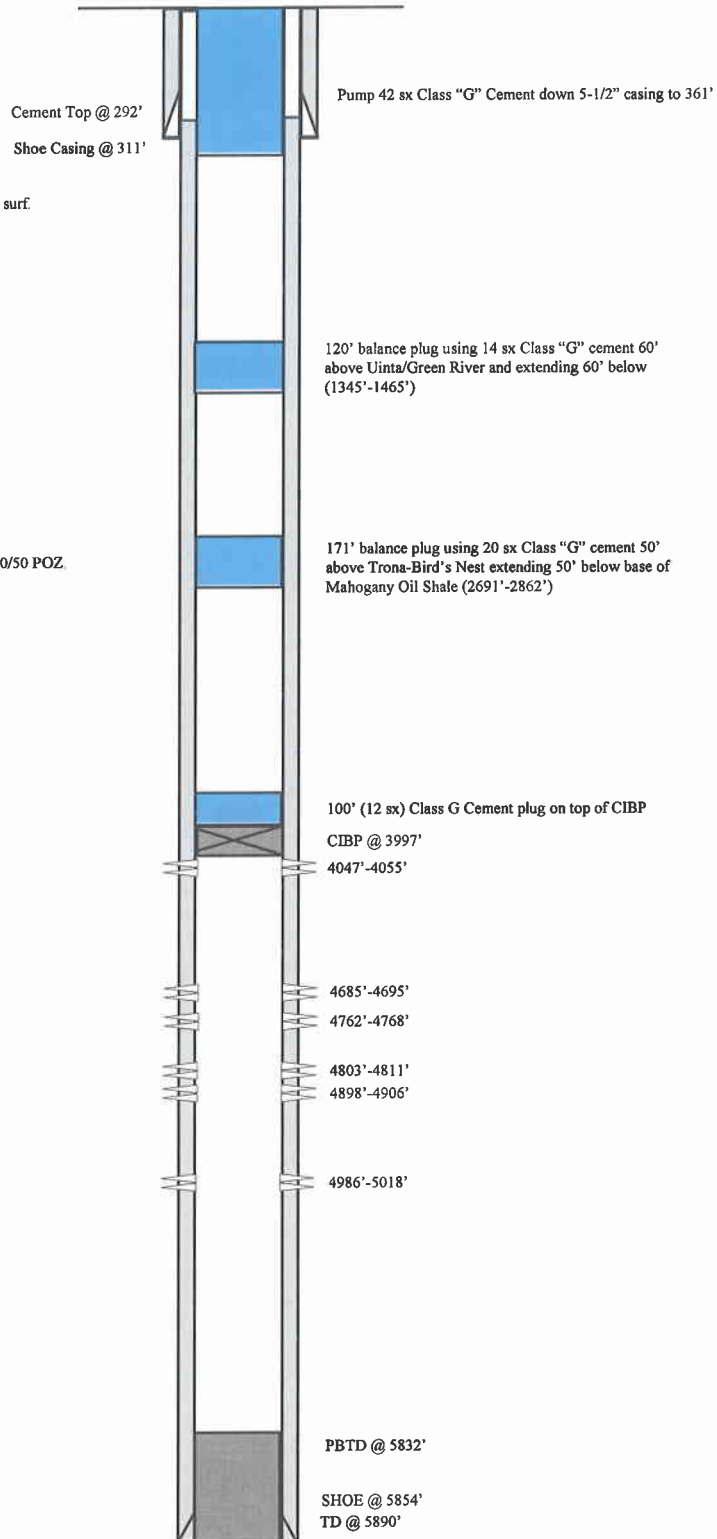
## Proposed P & A Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (300.71')  
DEPTH LANDED: 310.71' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class "G" cmt, est 3 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 137 jts (5854.02')  
DEPTH LANDED: 5852.52' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 320 sxs Prem Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 292'



Jonah 6-14-9-16  
1882' FNL & 1923 FWL  
SENW Section 14-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32337; Lease #UTU-096547



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1882 FNL 1923 FWL  
SENE Section 14 T9S R16E

5. Lease Serial No.

USA UTU-096547

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
GMBU

8. Well Name and No.

JONAH 6-14-9-16

9. API Well No.

4301332337

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Eric Sundberg

Signature

Title

Regulatory Lead

Date

6/3/10

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)



Send Payments to:  
 268 S 200 E  
 Roosevelt, Utah 84066  
 Phone: 435-722-5131  
 Fax: 435-722-4140  
 www.ubstandard.com  
 www.vernal.com

Invoice Number	Invoice Date
2681	7/13/2010
Advertiser No.	Invoice Amount
2080	\$119.20
	Due Date
	8/12/2010

Rose Nolton  
 DIVISION OF OIL GAS & MINING  
 1594 W. N. TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

RECEIVED  
 JUL 15 2010  
 DIV. OF OIL, GAS & MINING

12 → 08  
**NEW YEAR**  
**COPY**

1 1/2% fee will be charged to all past due balances. Amount Enclosed

Please detach top portion and return with your payment

### INVOICE

Utah Basin Standard

DIVISION OF OIL  
 GAS & MINING

Invoice No. 2681

7/13/2010

Date	Order	Publications	Description	Ad Size	Sales Tax	Amount
7/13/2010	1510	1	Notice of Agency Action Cause No. UIC-366 Ran July 13, 2010 Utah Basin Standard		\$0.00	\$119.20
Total Transactions: 1					\$0.00	\$119.20

### SUMMARY

Advertiser No. 2080

Invoice No. 2681

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!

2250/RER/GG VICA OM/GF 10/6131

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-366

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 12, 14, AND 15, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Monument Federal 11-9-9-16 well located in NW/4 NW/4, Section 9, Township 9 South, Range 16 East  
C & O Govt 2 well located in NW/4 SE/4, Section 12, Township 9 South, Range 16 East  
Jonah Federal 9-12-9-16 well located in NE/4 SE/4, Section 12, Township 9 South, Range 16 East  
Jonah Federal 16-12-9-16 well located in SE/4 SE/4, Section 12, Township 9 South, Range 16 East  
Jonah 6-14-9-16 well located in SE/4 NW/4, Section 14, Township 9 South, Range 16 East  
Jonah Federal 12-14-9-16 well located in NW/4 SW/4, Section 14, Township 9 South, Range 16 East  
Jonah Federal 14-14-9-16 well located in SE/4 SW/4, Section 14, Township 9 South, Range 16 East  
Walton Federal 2 well located in NW/4 NE/4, Section 14, Township 9 South, Range 16 East  
Castle Peak Federal 42-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 8<sup>th</sup> day of July, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**MONUMENT FEDERAL 11-9-9-16, C & O GOVT 2,  
JONAH FEDERAL 9-12-9-16, JONAH FEDERAL 16-12-9-16,  
JONAH 6-14-9-16, JONAH FEDERAL 12-14-9-16,  
JONAH FEDERAL 14-14-9-16, WALTON FEDERAL 2,  
CASTLE PEAK FEDERAL 42-15.**

**Cause No. UIC-366**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

  
\_\_\_\_\_

**Jean Sweet - RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-366**

---

**From:** "NAC Legal" <naclegal@mediaoneutah.com>  
**To:** "Jean Sweet" <jsweet@utah.gov>  
**Date:** 7/8/2010 3:57 PM  
**Subject:** RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-366

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Ad #596935 is scheduled to run July 13th in Salt Lake Tribune, Deseret News and on the website utahlegals.com .

Total charge is \$233.48. Please check the ad in the papers.

Thank you,

Lynn Valdez  
MediaOne of Utah,  
a Newspaper Agency Company  
4770 South 5600 West  
West Valley City, Utah 84118  
Ph.: 801-204-6245  
Email: [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

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**From:** Jean Sweet [mailto:[jsweet@utah.gov](mailto:jsweet@utah.gov)]  
**Sent:** Thursday, July 08, 2010 3:11 PM  
**To:** [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)  
**Subject:** Notice of Agency Action – Newfield Production Company Cause No. UIC-366

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

July 8, 2010

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-366

To whom it may concern:

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Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**NOTICE OF AGENCY ACTION CAUSE NO. UIC-366**

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE  
APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 12, 14, AND 15, TOWNSHIP 9 SOUTH, RANGE 16  
EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Monument Federal 11-9-9-16 well located in NW/4 NW/4, Section 9, Township 9 South, Range 16 East

C & O Govt 2 well located in NW/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah Federal 9-12-9-16 well located in NE/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah Federal 16-12-9-16 well located in SE/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah 6-14-9-16 well located in SE/4 NW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 12-14-9-16 well located in NW/4 SW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 14-14-9-16 well located in SE/4 SW/4, Section 14, Township 9 South, Range 16 East

Walton Federal 2 well located in NW/4 NE/4, Section 14, Township 9 South, Range 16 East

Castle Peak Federal 42-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 8th day of July, 2010.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

/s/

Brad Hill

Permitting Manager

Published in the Uintah Basin Standard July 13, 2010.





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

July 8, 2010

Via e-mail: [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-366

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

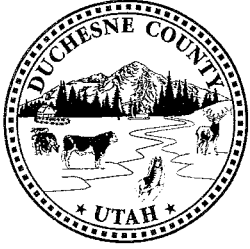
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

  
Jean Sweet  
Executive Secretary

Enclosure





*Duchesne County Planning, Zoning  
& Community Development  
734 North Center Street  
P.O. Box 317  
Duchesne, Utah 84021  
(435) 738-1152  
Fax (435) 738-5522*

RECEIVED

JUL 19 2010

DIV. OF OIL, GAS & MINING

July 15, 2010

Mr. Brad Hill, Permitting Manager  
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Newfield Production Company Injection Wells (Cause No UIC-366)

Dear Mr. Hill:

We are in receipt of your notice regarding Newfield Production Company's request to convert nine wells, located in Sections 9, 12, 14 and 15, Township 9 South, Range 16 East, Duchesne County, to Class II injection wells.

Duchesne County is supportive of this request and recommends approval under conditions that your agency deems appropriate.

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP  
Community Development Administrator

pc: Mike Guinn, Newfield Production Company, Rt. 3, Box 3630, Myton, UT 84052

4770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED.TAX I.D.# 87-0217663

The Salt Lake Tribune

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PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	7/14/2010

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE		ADORDER# / INVOICE NUMBER	
8015385340		0000596935 /	
SCHEDULE			
Start 07/13/2010		End 07/13/2010	
CUST. REF. NO.			
Cause # UIC-366			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINI			
SIZE			
68 Lines		2.00 COLUMN	
TIMES		RATE	
4			
MISC. CHARGES		AD CHARGES	
		TOTAL COST	
		233.48	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-366

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 12, 14, AND 15, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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Greater Monument Butte Unit:  
Monument Federal 11-9-9-16 well located in NW/4 NW/4, Section 9, Township 9 South, Range 16 East, C & Q Govt 2 well located in NW/4 SE/4, Section 12, Township 9 South, Range 16 East, Jonah Federal 9-12-9-16 well located in NE/4 SE/4, Section 12, Township 9 South, Range 16 East, Jonah Federal 16-12-9-16 well located in SE/4 SE/4, Section 12, Township 9 South, Range 16 East, Jonah 6-14-9-16 well located in SE/4 NW/4, Section 14, Township 9 South, Range 16 East, Jonah Federal 12-14-9-16 well located in NW/4 SW/4, Section 14, Township 9 South, Range 16 East, Jonah Federal 14-14-9-16 well located in SE/4 SW/4, Section 14, Township 9 South, Range 16 East, Walton Federal 2 well located in NW/4 NE/4, Section 14, Township 9 South, Range 16 East, Castle Peak Federal 42-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 16 East.

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, a P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 8th day of July, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
s/ Brad Hill  
Brad Hill  
Permitting Manager

596935

UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINI** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON Start 07/13/2010 End 07/13/2010

SIGNATURE

DATE 7/14/2010

VIRGINIA CRAFT  
Notary Public, State of Utah  
Commission # 581469  
My Commission Expires  
January 12, 2014

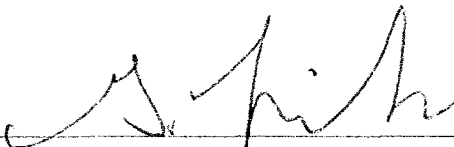
Virginia Craft

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

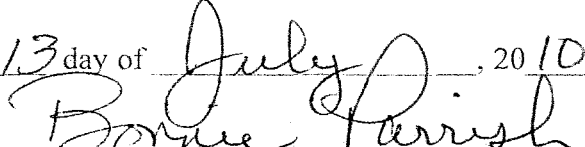
# AFFIDAVIT OF PUBLICATION

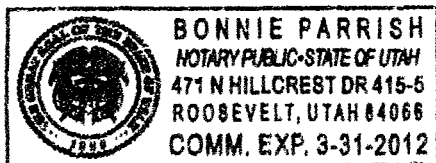
County of Duchesne,  
STATE OF UTAH

I, Geoff Liesik on oath, say that I am the EDITOR of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 13 day of July, 2010, and that the last publication of such notice was in the issue of such newspaper dated the 13 day of July, 2010, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

  
Editor

Subscribed and sworn to before me this

13 day of July, 2010  
  
Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-366

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH  
IN THE MATTER OF  
THE APPLICATION OF  
NEWFIELD PRODUCTION COMPANY FOR  
ADMINISTRATIVE APPROVAL OF CERTAIN  
WELLS LOCATED IN  
SECTIONS 9, 12, 14,  
AND 15, TOWNSHIP  
9 SOUTH, RANGE 16  
EAST, DUCHESNE  
COUNTY, UTAH, AS  
CLASS II INJECTION  
WELLS.

THE STATE OF UTAH  
TO ALL PERSONS INTERESTED IN THE  
ABOVE ENTITLED  
MATTER.

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Butte Unit:

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11-9-9-16 well located in  
NW/4 NW/4, Section 9,  
Township 9 South, Range  
16 East

C & O Govt 2 well  
located in NW/4 SE/4,  
Section 12, Township 9  
South, Range 16 East

Jonah Federal 9-12-9-  
16 well located in NE/4  
SE/4, Section 12, Town-  
ship 9 South, Range 16  
East

Jonah Federal 16-12-  
9-16 well located in SE/4  
SE/4, Section 12, Town-  
ship 9 South, Range 16  
East

Jonah 6-14-9-16 well  
located in SE/4 NW/4,  
Section 14, Township 9  
South, Range 16 East

Jonah Federal 12-  
14-9-16 well located in  
NW/4 SW/4, Section 14,  
Township 9 South, Range  
16 East

Jonah Federal 14-  
14-9-16 well located in  
SE/4 SW/4, Section 14,  
Township 9 South, Range  
16 East

SE/4, Section 12, Township 9 South, Range 16 East

Jonah Federal 16-12-9-16 well located in SE/4 SE/4, Section 12, Township 9 South, Range 16 East

Jonah 6-14-9-16 well located in SE/4 NW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 12-14-9-16 well located in NW/4 SW/4, Section 14, Township 9 South, Range 16 East

Jonah Federal 14-14-9-16 well located in SE/4 SW/4, Section 14, Township 9 South, Range 16 East

Walton Federal 2 well located in NW/4 NE/4, Section 14, Township 9 South, Range 16 East

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Dated this 8th day of July, 2010.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

/s/  
Brad Hill  
Permitting Manager  
Published in the Uintah  
Basin Standard July 13,  
2010.



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 20, 2012

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Jonah 6-14-9-16, Section 14, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32337

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. Water levels, as well as casing and tubing pressures, in both the monitor well, GMBU 8-14T-9-16 (43-013-50880) and the damaged well, Jonah Unit 8-14-9-16 (43-013-32054) shall be checked and recorded on a regular basis. Also, water samples from both wells will be collected and analyzed annually. Any observed changes shall be reported to the Division immediately.
6. The top of the injection interval shall be limited to a depth no higher than 3,829 feet in the Jonah 6-14-9-16 well.



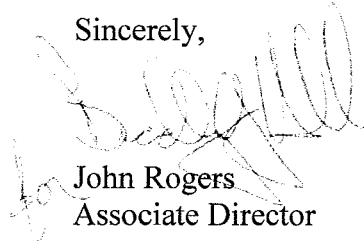
December 20, 2012

Newfield -- Jonah 6-14-9-16

Page 2

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

A handwritten signature in dark ink, appearing to read "John Rogers", is written over a printed name and title.

John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Jonah 6-14-9-16

**Location:** 14/9S/16E      **API:** 43-013-32337

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 311 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,853 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,170 feet. A 2 7/8 inch tubing with a packer will be set at 3,997 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revised Statement of Basis (12/05/2012), on the basis of surface locations, there are 10 producing wells, 5 injection wells, 1 P/A well, 1 temporarily abandoned well, and 1 monitor well in AOR. In addition, there are 7 directionally drilled producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. Finally, there is 1 approved surface location outside the AOR from which a directional well will be drilled to a bottom hole location inside the AOR. All of the existing wells have evidence of adequate casing and cement for the requested injection interval.

The following discussion pertains to all UIC applications for wells located within a 0.5 mile radius of the Jonah Unit 8-14-9-16 well (API# 43-013-32054). That well is located near the edge of the AOR, approximately 0.5 mile east of the Jonah 6-14 well, the proposed injection well in the current application. In the process of drilling the directional well, Jonah Federal LA-14-9-16 (API# 43-013-34164) from the existing pad occupied by Jonah Unit 8-14, on 12/25/2008 Newfield accidentally intersected the existing vertical wellbore Jonah Unit 8-14 at a depth of 1,092 feet. An application for conversion of the Jonah Unit 8-14 to a UIC injection (UIC-255.1) well had been previously submitted by Inland Production Company 4/19/2000. A conversion permit was issued 6/15/2000 by DOGM, but an MIT was never done, and an injection permit was never issued. Subsequent to the well collision, which destroyed the wellbore integrity of the Jonah 8-14 well, DOGM denied further consideration of the well as a UIC injection well (memo 11/8/2010). Jonah 8-14 is currently in a temporarily abandoned status. Newfield and DOGM agreed on a plan for monitoring the situation created by the well collision. A monitor well would be drilled and perforated at depths which straddle the depth of the well collision. Casing and

tubing pressure gauges would be placed on both the damaged well (Jonah 8-14) and the monitor well. Any changes in pressure or fluid level will be reported immediately to DOGM. In addition, water samples will be taken from each well annually. The monitor well, GMBU 8-14T-9-16 (API# 43-013-50880) was completed 10/10/2012, located approximately 90 feet south-southeast of Jonah 8-14. Prior to completion of the monitor well, it had been necessary to postpone further consideration of the present UIC application.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2400 feet. Injection shall be limited to the interval between 3,829 feet and 5,832 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 6-14-9-16 well is 0.89 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,804 psig. The requested maximum pressure is 1,804 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 11/4/2010 (rev. 12/05/2012)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096547			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> JONAH 6-14-9-16			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1882 FNL 1923 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013323370000			
<b>10. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE		<b>COUNTY:</b> DUCHESNE			
<b>STATE:</b> UTAH					
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>  <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/19/2013  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE   <input type="checkbox"/> CHANGE TO PREVIOUS PLANS   <input checked="" type="checkbox"/> CHANGE WELL STATUS   <input type="checkbox"/> DEEPEN   <input type="checkbox"/> OPERATOR CHANGE   <input type="checkbox"/> PRODUCTION START OR RESUME   <input type="checkbox"/> REPERFORATE CURRENT FORMATION   <input type="checkbox"/> TUBING REPAIR   <input type="checkbox"/> WATER SHUTOFF   <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING   <input type="checkbox"/> CHANGE TUBING   <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS   <input type="checkbox"/> FRACTURE TREAT   <input type="checkbox"/> PLUG AND ABANDON   <input type="checkbox"/> RECLAMATION OF WELL SITE   <input type="checkbox"/> SIDETRACK TO REPAIR WELL   <input type="checkbox"/> VENT OR FLARE   <input type="checkbox"/> SI TA STATUS EXTENSION   <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR   <input type="checkbox"/> CHANGE WELL NAME   <input checked="" type="checkbox"/> CONVERT WELL TYPE   <input type="checkbox"/> NEW CONSTRUCTION   <input type="checkbox"/> PLUG BACK   <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION   <input type="checkbox"/> TEMPORARY ABANDON   <input type="checkbox"/> WATER DISPOSAL   <input type="checkbox"/> APD EXTENSION           OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> The subject well has been converted from a producing oil well to an injection well on 02/18/2013. On 02/18/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/19/2013 the casing was pressured up to 1270 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.					
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto		<b>PHONE NUMBER</b> 435 646-4874			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Water Services Technician			
<b>DATE</b> 2/21/2013					

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 21/11/13 Time 11:00 am pm  
Test Conducted by: EVERETT UNRUH  
Others Present: \_\_\_\_\_

Well: JONAH 10-14-9-16

Field: monument Butte

Well Location: SE NW SEC 14 T9S R16E  
Duchesne County, UT

API No: 43-013-32337

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1270</u>	psig
5	<u>1270</u>	psig
10	<u>1270</u>	psig
15	<u>1270</u>	psig
20	<u>1270</u>	psig
25	<u>1270</u>	psig
30 min	<u>1270</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 0 psig

Result:

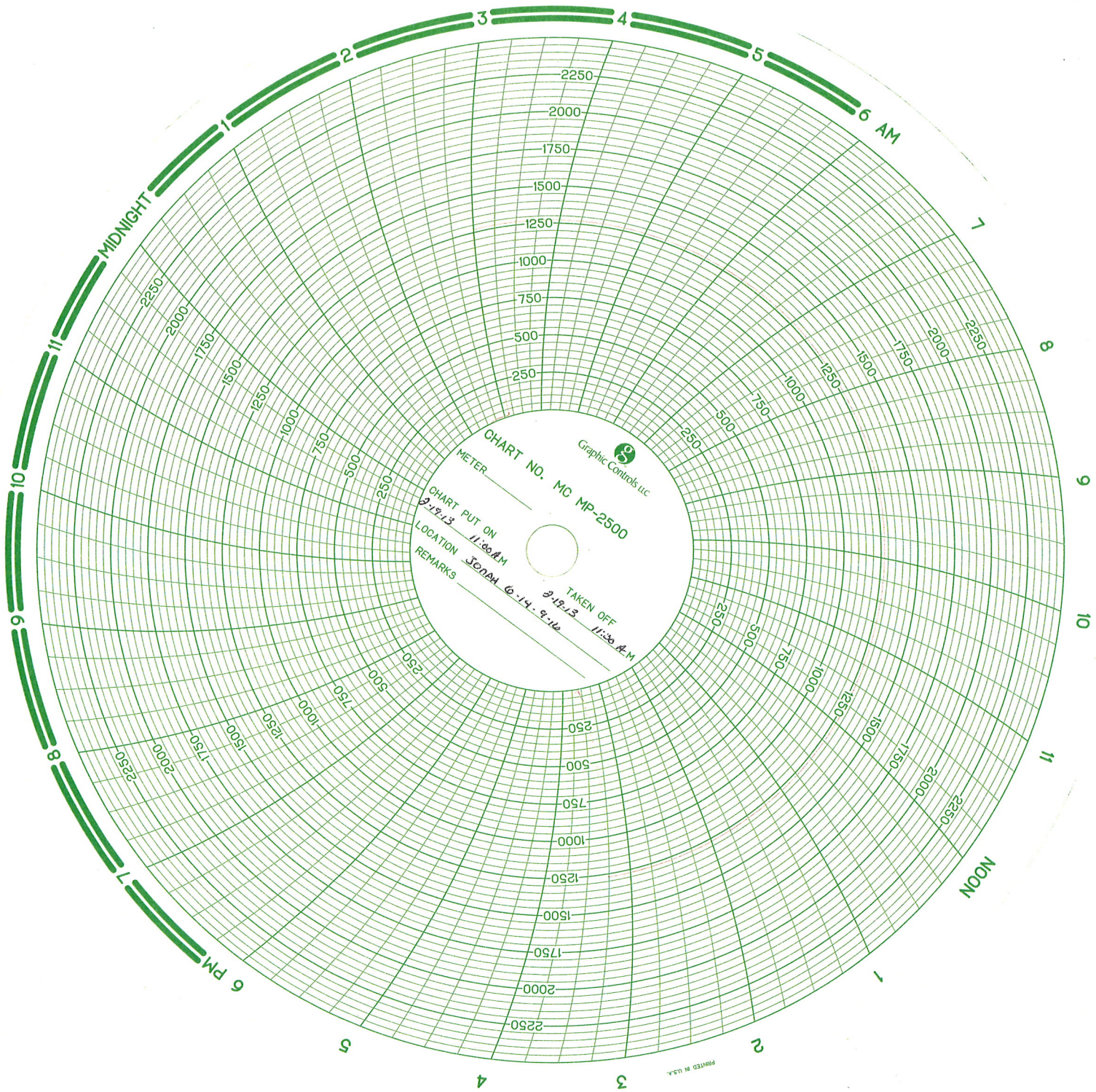
Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Everett Unruh







## Daily Activity Report

Format For Sundry

JONAH 6-14-9-16

12/1/2012 To 4/28/2013

**2/14/2013 Day: 1**

**Conversion**

WWS #9 on 2/14/2013 - RIMU pump 60 BBLS of water down TBG - Road rig from Jonah Federal 2-11-9-16 unit on Deadman 1:45pm rig up remove head from unit, pump 60 BBLS down casing @ 250\* pu on rods beat on pump tell 3:45 not coming off sent pump another 60 BBLS down CSG work on unseating pump pump tell 5:00 still not coming off seat pu pol rod SWIFN

**Daily Cost:** \$0

**Cumulative Cost:** \$12,299

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**2/15/2013 Day: 2**

**Conversion**

WWS #9 on 2/15/2013 - TOO H w/ rods - Pump 40 bbls down csg @ 250 degrees, Cont. work on unsetting rod pump. Came off seat, flush w, 30 bbsl. Reset pump, fill tbg w/20 bbls test to 3000psi, good. Start LD rods 105 rods out, flush tbg w/30 bbls, cont LD rods. Had 99-3/4 4 pers, 83- 3/4 slick, 10-3/4 4pers 6-1/2wt bars. XO to tbg, ND wellhead, Pic on TBG, TAC not set, NU bops, RD floor, TOO H doping collars and tallying pipe.

**Daily Cost:** \$0

**Cumulative Cost:** \$19,034

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**2/19/2013 Day: 4**

**Conversion**

WWS #9 on 2/19/2013 - Thaw tbg ck pressure 2500psi pres back to 3000 - Thaw tbg ck pressure 2500psi pres back to 3000 watch for 30 minutes good bleed off pres. Ru rih W/ sandline retrieve SV POOH RD ND floor and BOP land TBG on adapter pump 65 bbls PKR fluid PU set PKR @ 3991 TO CE W/ 15000 tension PSN @ 3985 EOT 4000 fill W/ 7 BBLS pressure back up 1500PSI lost 80 PSI 30 Minutes pressure back up to 15000 watch for 1 hour good, RDMO. - TOO H W/30BBLS fresh water Cant TOO H W/ TBG, TBG 121 JTS Total LD 32 extra JTS TIH W/ 2-3/8 re-entry giude, 2-3/8 YN-nipple 1.87 prefile 4X2-3/8 TBG suh crossover 5-1/2 pkr, on off tool psn 121 jts pump 5 BBLS pad prop SV fill tbg W15 bbls prussere up to 3000psi watch 30 minutes lost 200 psi pressure back up to 3000psi lost 100 psi in 30 minutes lost 150 psi bleed off to 0 then back up to 3000 psi CK on Monday. - Thaw tbg ck pressure 2500psi pres back to 3000 watch for 30 minutes good bleed off pres. Ru rih W/ sandline retrieve SV POOH RD ND floor and BOP land TBG on adapter pump 65 bbls PKR fluid PU set PKR @ 3991 TO CE W/ 15000 tension PSN @ 3985 EOT 4000 fill W/ 7 BBLS pressure back up 1500PSI lost 80 PSI 30 Minutes pressure back up to 15000 watch for 1 hour good, RDMO. - TOO H W/30BBLS fresh water Cant TOO H W/ TBG, TBG 121 JTS Total LD 32 extra JTS TIH W/ 2-3/8 re-entry giude, 2-3/8 YN-nipple 1.87 prefile 4X2-3/8 TBG suh crossover 5-1/2 pkr, on off tool psn 121 jts pump 5 BBLS pad prop SV fill tbg W15 bbls prussere up to 3000psi watch 30 minutes lost 200 psi pressure back up to 3000psi lost 100 psi in 30 minutes lost 150 psi bleed off to 0 then back up to 3000 psi CK on Monday.

**Daily Cost:** \$0

**Cumulative Cost:** \$29,398

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**2/20/2013 Day: 5**

**Conversion**

Rigless on 2/20/2013 - Conduct initial MIT - On 02/18/2013 Chris Jensen with the State of



Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/19/2013 the casing was pressured up to 1270 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Daily Cost:** \$0

**Cumulative Cost:** \$61,232

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**Pertinent Files:** [Go to File List](#)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096547
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> JONAH 6-14-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1882 FNL 1923 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013323370000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/13/2013	<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; margin-top: 20px;">           The above reference well was put on injection at 8:30 AM on            03/13/2013.         </div> <div style="text-align: right; margin-top: 20px;"> <b>Accepted by the            Utah Division of            Oil, Gas and Mining            FOR RECORD ONLY            March 14, 2013</b> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/14/2013	

Spud Date: 6/10/03  
 Put on Production: 3/19/04  
 GL: 5593' KB:5605'

# Jonah 6-14-9-16

Initial Production: 147 BOPD,  
 140 MCFD, 9 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (300.71')  
 DEPTH LANDED: 310.71' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 3 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (5854.02')  
 DEPTH LANDED: 5852.52' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 320 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 292'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 121 jts (3972.5')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3984.5' KB  
 ON/OFF TOOL AT: 3985.6'  
 ARROW #1 PACKER CE AT: 3991.6'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3994.6'  
 TBG PUP 2-3/8 J-55 AT: 3995.2'  
 X/N NIPPLE AT: 3999.3'  
 TOTAL STRING LENGTH: EOT @ 4000.83'

### FRAC. JOB

3/11/04 4986'-5018' **Frac A3 sands as follows:**  
 105,000# 20/40 sand in 855 bbls Lightning 17  
 fluid. Treated @ avg press of 2160 psi  
 w/avg rate of 24.7 BPM. ISIP 2600 psi. Calc  
 flush: 4984 gal. Actual flush: 4977 gal.

3/13/04 4898'-4906' **Frac A.5 sands as follows:**  
 20,600# 20/40 sand in 249 bbls Lightning 17  
 fluid. Treated @ avg press of 2825 psi w/avg  
 rate of 24.7 BPM. ISIP 2360 psi. Calc  
 flush: 4896 gal. Actual flush: 4893 gal.

3/13/04 4762'-4811' **Frac B2 and B.5 sands as follows:**  
 58,600# 20/40 sand in 464 bbls Lightning 17  
 fluid. Treated @ avg press of 2080 psi w/avg  
 rate of 24.7 BPM. ISIP 1975 psi. Calc flush:  
 4760 gal. Actual flush: 4759 gal.

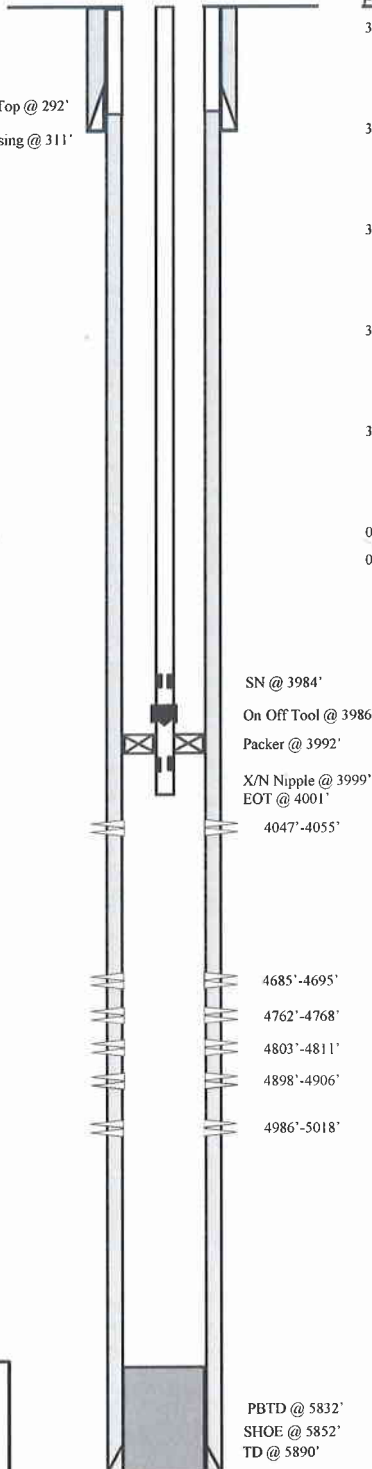
3/16/04 4685'-4695' **Frac C sands as follows:**  
 53,600# 20/40 sand in 449 bbls Lightning 17  
 fluid. Treated @ avg press of 2810 psi w/avg  
 rate of 24.4 BPM. ISIP 2230 psi. Calc flush:  
 4683 gal. Actual flush: 4683 gal.

3/16/04 4047' - 4055' **Frac GB6 sands as follows:**  
 27,989# 20/40 sand in 268 bbls Lightning 17  
 fluid. Treated @ avg press of 1685psi w/avg  
 rate of 24.7 BPM. ISIP 1830 psi. Calc flush:  
 4045 gal. Actual flush: 3960 gal.

02/18/13 **Convert to Injection Well**  
 02/19/13 **Conversion MIT Finalized - update the  
 detail**

### PERFORATION RECORD

3/09/04	4986'-5018'	2 JSPF	64 holes
3/13/04	4898'-4906'	4 JSPF	32 holes
3/13/04	4803'-4811'	4 JSPF	32 holes
3/13/04	4762'-4768'	4 JSPF	24 holes
3/13/04	4685'-4695'	4 JSPF	40 holes
3/16/04	4047'-4055'	4 JSPF	32 holes



## NEWFIELD



**Jonah 6-14-9-16**  
 1882' FNL & 1923 FWL  
 SENW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32337; Lease #UTU-096547



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT Cause No. UIC-366

**Operator:** Newfield Production Company  
**Well:** Jonah 6-14-9-16  
**Location:** Section 14, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32337  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on December 20, 2012.
2. Maximum Allowable Injection Pressure: 1,804 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,829' – 5,832')
5. Water levels, as well as casing and tubing pressures, in both the monitor well, GMBU 8-14T-9-16 (43-013-50880) and the damaged well, Jonah Unit 8-14-9-16 (43-013-32054) shall be checked and recorded on a regular basis. Also, water samples from both wells will be collected and analyzed annually. Any observed changes shall be reported to the Division immediately
6. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

3/8/2013  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC

